

## Cultural Resource Consultants

### TECHNICAL MEMO 2006G-1

DATE: December 30, 2020

TO: Josh Willis  
NorthPoint Development

FROM: Margaret Berger, Principal Investigator

RE: Cultural Resources Assessment for the NorthPoint Cascade Industrial Center  
Project, Arlington and Marysville, Snohomish County, Washington

DAHP Project: 2020-10-06541

The attached short report form constitutes our final report for the above referenced project. Background research and field research combined identified eight archaeological resources and two historic inventory properties. Five of the archaeological resources were remains of demolished historic structures and three were precontact lithic isolates. None of the identified cultural resources are recommended eligible for the National Register. The three isolates have been donated by the client to the Stillaguamish Tribe of Indians. No further work is recommended. An inadvertent discovery protocol is attached. Please contact our office should you have any questions about our findings and/or recommendations.

# CULTURAL RESOURCES REPORT COVER SHEET

DAHP Project Number: 2020-10-06541

Author: Jessica Gardner and Margaret Berger

Title of Report: Cultural Resources Assessment for the NorthPoint Cascade Industrial Center Project, Arlington and Marysville, Snohomish County, Washington

Date of Report: December 30, 2020

County(ies): Snohomish Section: 27 Township: 31 Range: 5E

Quad: Arlington West, WA Acres: 360

PDF of report submitted (REQUIRED) ☒ Yes

Historic Property Inventory Forms to be Approved Online? ☒ Yes ☐ No

Archaeological Site(s)/Isolate(s) Found or Amended? ☒ Yes ☐ No

TCP(s) found? ☐ Yes ☒ No

Replace a draft? ☐ Yes ☒ No

Satisfy a DAHP Archaeological Excavation Permit requirement? ☐ Yes # ☒ No

Were Human Remains Found? ☐ Yes DAHP Case # ☒ No

DAHP Archaeological Site #:

45SN773

45SN774

45SN775

45SN776

45SN777

45SN778

45SN779

45SN780

- Submission of PDFs is required.
- Please be sure that any PDF submitted to DAHP has its cover sheet, figures, graphics, appendices, attachments, correspondence, etc., compiled into one single PDF file.
- Please check that the PDF displays correctly when opened.



**Cultural Resources Assessment for the  
NorthPoint Cascade Industrial Center Project,  
Arlington and Marysville, Snohomish County, Washington**

**Table of Contents**

<b>Management Summary .....</b>	<b>2</b>
<b>1.0 Administrative Data .....</b>	<b>2</b>
1.1 Overview .....	2
1.2 Research Design .....	3
1.3 Project Description .....	4
<b>2.0 Background Research .....</b>	<b>7</b>
2.1 Overview .....	7
2.2 Environmental Context .....	8
2.3 Paleoclimate and Vegetation .....	9
2.4 Archaeological Context .....	10
2.5 Ethnographic Context .....	11
2.6 Historical Context .....	13
2.7 Historical Records Search .....	14
2.8 Cultural Resources Database Review .....	21
<b>3.0 Archaeological Expectations .....</b>	<b>25</b>
3.1 Archaeological Predictive Models .....	25
3.2 Archaeological Expectations .....	26
<b>4.0 Field Investigations .....</b>	<b>27</b>
<b>5.0 Results and Recommendations .....</b>	<b>28</b>
5.1 Investigation Results .....	28
5.2 Cultural Resources Identified .....	42
5.2.1 Physical Descriptions .....	42
5.2.2 Evaluation of Significance .....	57
5.4 Conclusions and Recommendations .....	61
<b>6.0 Limitations of this Assessment .....</b>	<b>62</b>
<b>7.0 References .....</b>	<b>62</b>
<b>Attachment A. Correspondence between CRC and local Tribes. ....</b>	<b>71</b>
<b>Attachment B. Probe Locations and Descriptions .....</b>	<b>75</b>
<b>Attachment C. Archaeological Site Forms .....</b>	<b>286</b>
<b>Attachment D: Historic Property Inventory Forms .....</b>	<b>287</b>
<b>Attachment E. Inadvertent discovery plan .....</b>	<b>288</b>

## Management Summary

This report describes the cultural resources assessment for the NorthPoint Cascade Industrial Center Project in Arlington and Marysville, Snohomish County, Washington. NorthPoint Development requested a cultural resources assessment prior to ground disturbing activities associated with construction of an industrial park.

Background research and field investigations identified eight archaeological resources and two historic inventory properties within the project location. Three of the archaeological resources are identified as precontact lithic isolates located in at the south edge of Parcel B (45SN773 and 45SN774) and the southwest corner of Parcel D (45SN777). The three precontact isolates have been donated to the Stillaguamish Tribe of Indians for curation. One archaeological resource is the berm/roadbed associated with an historic railroad and subsequent unfinished 59<sup>th</sup> Avenue (45SN775). Four archaeological resources are the concrete foundational remains of farm structures in Parcels C, J, L, and M (45SN776, 45SN778, 45SN779, 45SN780). The two historic inventory properties are the historic Edgecomb Creek (DAHP Property ID #100155) and a 1943 house and associated outbuildings (DAHP Property #228885). None of the identified resources is recommended eligible for the National Register of Historic Places (NRHP). A finding of “No historic properties affected” is recommended. An inadvertent discovery protocol is attached.

## 1.0 Administrative Data

### 1.1 Overview

Report Title: Cultural Resources Assessment for the NorthPoint Cascade Industrial Center Project, Arlington and Marysville, Snohomish County, Washington

Author (s): Jessica Gardner and Margaret Berger

Report Date: December 30, 2020

Location and Legal Description: The project is located at 59<sup>th</sup> Avenue. The legal description for the project is in the NE<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub> of the SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>, S<sup>1</sup>/<sub>2</sub> of the NE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>, and the S<sup>1</sup>/<sub>2</sub>SW<sup>1</sup>/<sub>4</sub> of Section 27; and the NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>, SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> of the SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>, SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>, and NW<sup>1</sup>/<sub>4</sub> of the NW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> of Section 34 of Township 31 North, Range 05 East, Willamette Meridian. Associated Snohomish County tax parcel numbers are 31053400200600, 31053400200500, 31053400200400, 31053400200300, 31053400200800, 31053400200700, 31053400300300, 31052700100100, 31052700100300, 31052700400300, 31052700300200, 31052700300500, 31052700300700, 31052700300800, and 31052700300900.

USGS 7.5' Topographic Map(s): Arlington West, WA (Figure 1).

Total Area Involved: approximately 360 acres.

Regulatory Nexus: Washington State Environmental Policy Act (SEPA); Section 106 of the National Historic Preservation Act (NHPA).

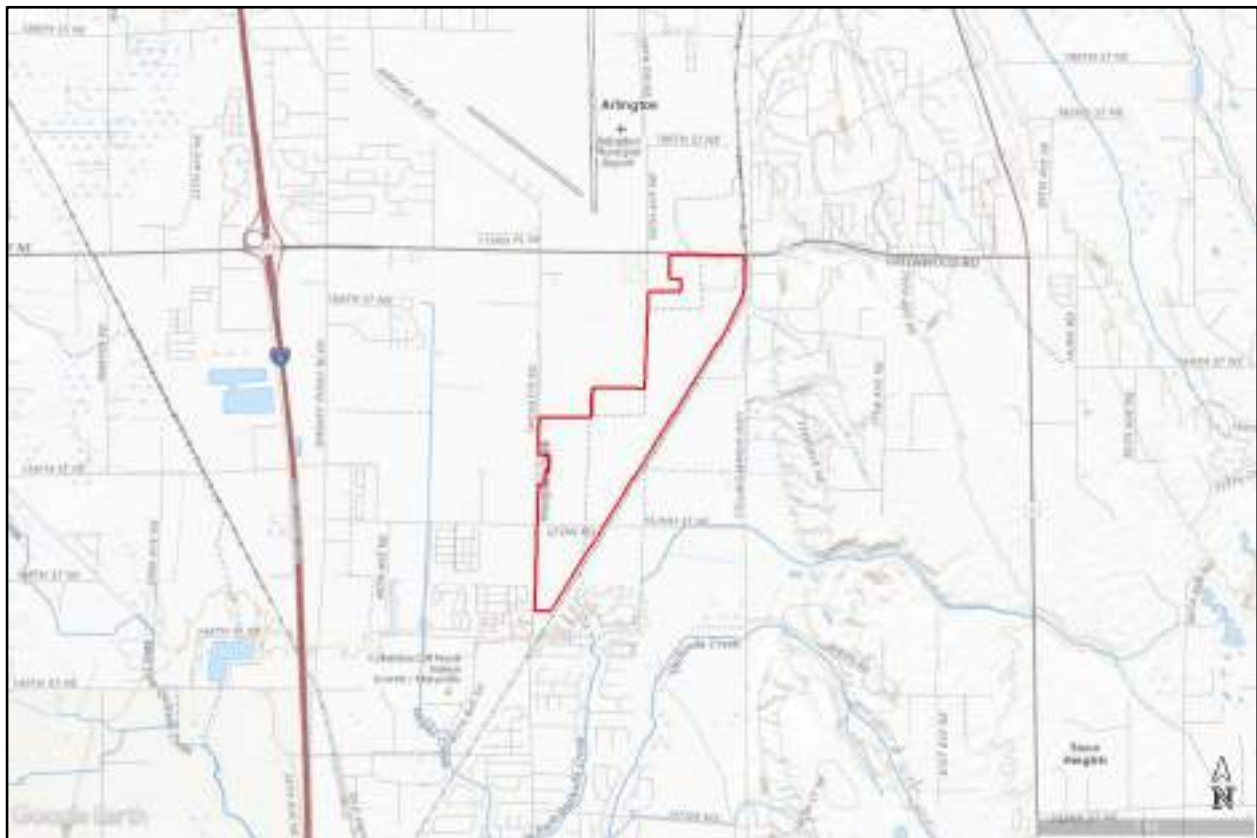


Figure 1. Portion of USGS Arlington East, Arlington West, Lake Stevens, and Marysville, WA 7.5-Minute quadrangles, annotated with project location in red.

## 1.2 Research Design

This assessment was developed as a component of preconstruction environmental review with the goal of preventing cultural resources from being disturbed during construction of the proposed project by identifying the potential for any as-yet unrecorded archaeological or historic sites within the project. CRC's work was intended, in part, to assist in addressing state regulations pertaining to the identification and protection of cultural resources (e.g., RCW 27.44, RCW 27.53, RCW 68.60). The Archaeological Sites and Resources Act (RCW 27.53) prohibits knowingly disturbing archaeological sites without a permit from the Washington State Department of Archaeology and Historic Preservation (DAHP), the Indian Graves and Records Act (RCW 27.44) prohibits knowingly disturbing Native American or historic graves, and the Abandoned and Historic Cemeteries and Historic Graves Act (RCW 68.60) calls for the protection and preservation of historic era cemeteries and graves.

SEPA requires that impacts to cultural resources be considered during the public environmental review process. Under SEPA, the DAHP is the sole agency with technical expertise in regard to cultural resources and provides formal opinions to local governments and other state agencies on a site's significance and the impact of proposed projects upon such sites. The project is also seeking permitting by the U.S. Army Corps of Engineers and is therefore subject to Section 106 of the NHPA. Under Section 106, agencies involved in a federal undertaking must take into

account the undertaking's potential effects to historic properties within the defined area of potential effects (APE) (36 CFR 800.16(l)(1)). Historic properties are typically defined as those 50 years or older. The Section 106 process involves identifying and inventorying historic properties within the APE and evaluating whether those properties satisfy National Register of Historic Places (NRHP) eligibility criteria and integrity considerations. If NRHP eligible historic properties are identified within the APE then potential adverse effects to the historic properties must be assessed, and a resolution of adverse effects recommended.

CRC's investigations consisted of review of available project information and correspondence provided by NorthPoint Development, local environmental and cultural information, and historical maps; and field investigations. On July 15, 2020, CRC contacted tribal cultural resource staff members on a technical staff-to-technical staff basis at the Snohomish Tribe, Stillaguamish Tribe, and Tulalip Tribes to determine if they had any concerns regarding the project location or information not available in published literature (Attachment A). The Stillaguamish Tribe responded on July 20<sup>th</sup>, 2020 providing the following information:

“A very short distance to the west of the project area is where a longhouse stood (Tribal informant: Rose Harvey Kempf). The historical trail between Kent Prairie (xwba'qwab) and the head of Quil Ceda (tuxqwota'itsdEb) that both Stillaguamish and Snohomish traveled (ICC 1974:595) appears to run adjacent, if not through the project area. A short distance to the south of the project was the place of The Oxstein Berry Patch. Many families would travel to pick berries here up into the 1940s (Tribal informant: Pat Brown).”

This correspondence was not intended to be or replace formal government-to-government consultation. Any additional information made available subsequent to the submission of this report will be included in a revision of this report. This assessment utilized a research design that considered previous studies, the magnitude and nature of the undertaking, the nature and extent of potential effects on historic properties, and the likely nature and location of historic properties within the project, as well as other applicable laws, standards, and guidelines (per 36CFR800.4 (b)(1)) (DAHP 2020a).

### **1.3 Project Description**

The project proposes to construct an industrial park with 10 buildings, associated access roads, parking lots, stormwater detention, and utilities. A portion of Edgecomb Creek would be rerouted. A 1943 single-family dwelling and associated outbuildings will be removed/demolished as part of the project.

For the purposes of this assessment, the area of interest for cultural resources (hereafter, “the project location”) is understood to be the area described above and depicted in Figure 1 (above) and Figure 2. Parcels within the project location have been given alphabetic designations for simplicity as depicted in Figure 3 and Table 1.

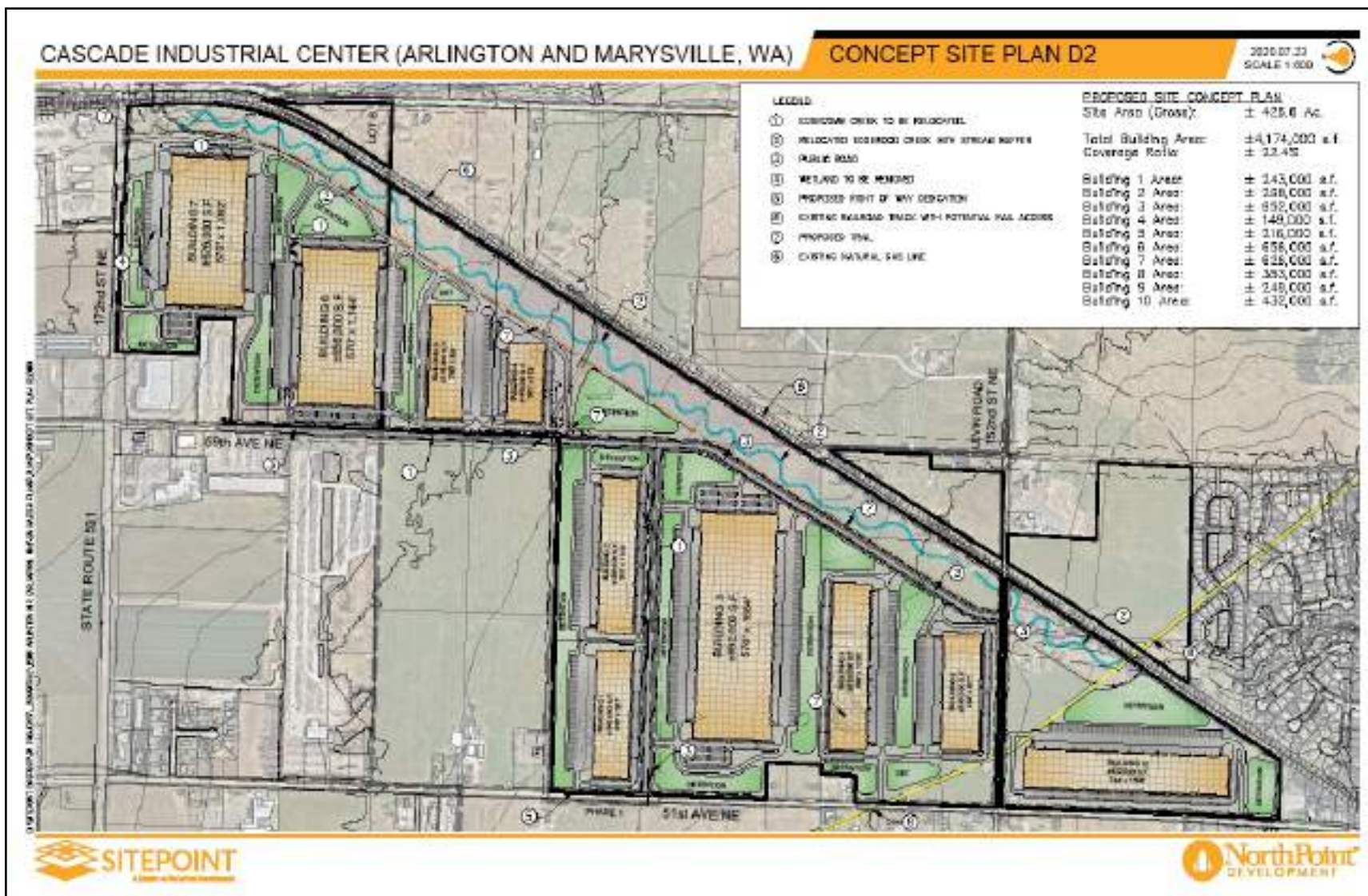


Figure 2. Site conceptual plan as provided by NorthPoint Development.



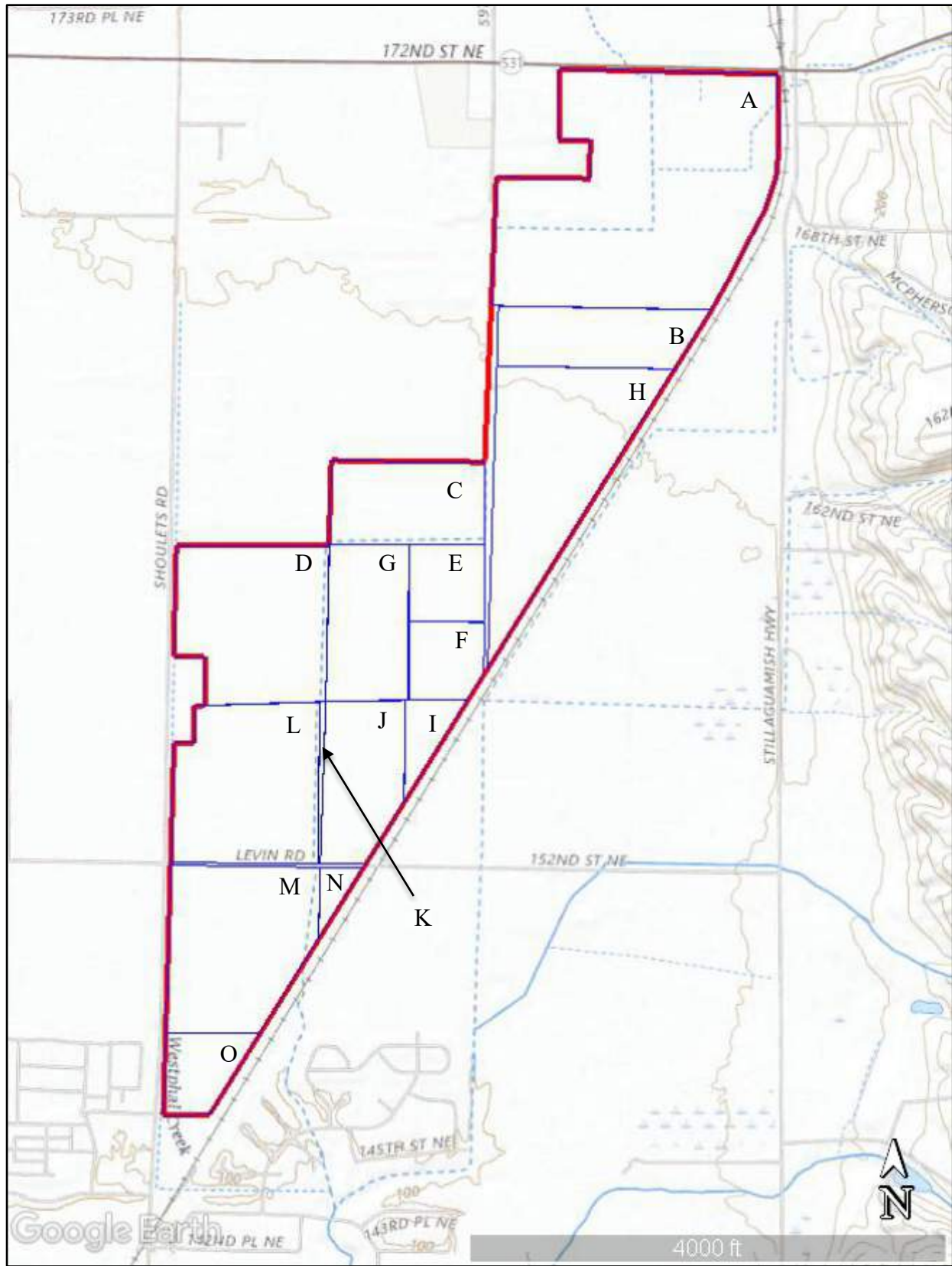


Figure 3. Portion of Arlington West, Washington quadrangle annotated with project location (red) and parcel boundaries (blue).

Table 1. List of Parcels within project location and alphabetic designation.

Parcel designation	Section	Snohomish County Parcel Number
A	27	31052700100100
B		31052700100300
C		31052700300200
D		31052700300500
E		31052700300700
F		31052700300800
G		31052700300900
H		31052700400300
I	34	31053400200300
J		31053400200400
K		31053400200500
L		31053400200600
M		31053400200700
N		31053400200800
O		31053400300300

## 2.0 Background Research

### 2.1 Overview

Background research was conducted in July-August 2020.

Recorded Cultural Resources Present: Yes ☒ No ☐

A portion of the historic Edgecomb Creek ditch was previously recorded on the west edge of Parcel C (DAHP Property ID #100155). A 1934 residential structure with four outbuildings was recorded at 5414 152<sup>nd</sup> Street NE (DAHP Property ID #228885).

Context Overview: The context presented here summarizes environmental, ethnographic, historical, and archaeological information presented in local cultural resource reports by reference; archaeological and historic data from DAHP and the Washington Information System for Architectural and Archaeological Records Data (WISAARD) records search; ethnographic resources; geological and soils surveys (e.g., USDA NRCS 2020; WA DNR 2020); and historical maps and documents from Bureau of Land Management United States Surveyor General (USSG) Land Status & Cadastral Survey Records database, HistoryLink, Historic Map Works, HistoricAerials (NETR 2020), University of Washington's Digital Collection, Washington State University's Early Washington Maps Collection, county assessor website, and in CRC's library. The following discussion of project area geology, archaeology, history, and ethnography incorporates context information prior cultural resource studies conducted in the Arlington and Marysville area (e.g., Berger and Gardner 2019a, b, 2020; Kassa-Kleinschmidt 2017).

In this and subsequent sections, radiocarbon dates and age ranges based on those dates are presented in calibrated calendrical years ago (cal BP). This notation indicates that the radiocarbon date has been corrected using current methodologies. Other age estimates are given as years BP (before present). For consistency this report will use the center of the project, identified as the northeast corner of Parcel F, for calculating distance measurements unless stated otherwise.

## 2.2 Environmental Context

Overview: The project is within the *Tsuga heterophylla* (Western Hemlock) vegetation zone in the Willamette-Puget Lowland physiographic province characterized by the wide “trough” between the Coast and Cascade Ranges formed during the advance and retreat of Pleistocene epoch glaciers (Franklin and Dyrness 1973; McKee 1972). Located in the northern Puget Sound region, the project is approximately 3.6 miles south of the Stillaguamish River, which drains into Port Susan on the Puget Sound approximately 10.5 miles to the northwest of the project. The project is located within the Quilceda Creek drainage basin, which drains into the Snohomish River estuary on Possession Sound 7 miles to the south of the project.

Locally, the project is within the southeast city boundary of Arlington and north portion of the city of Marysville. Historic Arlington is located approximately 4 miles north-northeast of the project location. Historic Marysville is located approximately 6 miles south of the project location. The project is bound to the north by Highway 531/Edgecomb Road; to the east by an Arlington-bound leg of the BNSF Railroad; to the west by Westphal Creek and 51<sup>st</sup> Avenue NE; and to the northwest by mixed agricultural and light industrial-use properties. A man-made route for Edgecomb Creek flows along existing parcel lines within the project location before joining with Westphal Creek and Middle Fork Quilceda Creek approximately 1 mile south of the project. The project is composed of generally flat, open agricultural fields with a very slight overall rise from 98 feet above sea level in the southwest to 135 feet above sea level in the northeast.

Geomorphology: The landscape of northwest Washington is a product of crustal deformation initiated by the Cascadia subduction zone; successive glacial scouring and deposition most recently during the Pleistocene; and landslides, erosion and deposition, and human activity during the Holocene (Troost and Booth 2008). During the Late Pleistocene or last glacial period (110,000 to 12,000 years BP), the Cordilleran ice sheet covered much of the American northwest and scoured the landscape during advance and retreat episodes initiated by localized climate fluctuations. The most recent glaciation was the Vashon Stade of the Fraser glaciation during which the Puget Lobe entered northwest Washington around 17,000 years BP (Thorson 1980). This final episode scoured the landscape producing moraine features and topographic lows prior to its recession.

The Puget Lobe reached the vicinity of present-day Seattle by about 14,500 years BP achieving its maximum extent near Olympia by 14,000 years BP (Booth et al. 2003). The onset of climatic warming caused the ice sheets to retreat to the north and began the transition into the Holocene. The Puget Lobe retreated past Seattle by 13,600 years BP (Booth et al. 2003). As the glacier receded during this more temperate period, meltwater became impounded behind the ice forming a series of proglacial lakes that eventually merged into Lake Russell, which extended roughly from the southern margin of present-day Whidbey Island to Olympia impounding low lying sections of the Puget Sound and adjacent river valleys (Bretz 1913; Waitt and Thorson 1983). Glacial Lake Russell merged with Lake Bretz (Minard and Booth 1988; Thorson 1981) before draining via the Strait of Juan de Fuca. The retreat of the glacier and draining of recessional meltwater resulted in the deposition of glacial till, outwash, glaciolacustrine, glaciomarine, and ice contact sediment in the Puget Lowland (Booth 1994; Booth et al. 2003). The uplands of the Puget Lowland are predominately compacted glacial drift interspersed by small lakes and peat bogs occupying surface depressions created during glacial retreat.



While sedimentation was widespread and voluminous during the Pleistocene, deposition during the Holocene has been more restricted occurring in river valleys and at the base of steep slopes (Booth et al. 2003). The uplands of the Puget Lowland are largely characterized by glacial till deposits that have been exposed since the end of the Pleistocene epoch. Deposition in these areas during the Holocene has been minimal and generally limited to the build-up of organic matter on the forest floor. The above geomorphic events created a palimpsest landscape characterized by glacial advance and retreat features, the results of which shaped the surface geology and parent materials present in the project location.

Mapped Surface Geologic Unit(s): The geology mapped in the project locations consists of Qgd, Pleistocene continental glacial drift (WA DNR 2020). A more detailed map further defines the surface geology as Qvrm, the Marysville Sand Member of the Vashon Recessional Outwash. The unit is generally described as stratified-to-massive outwash sand, with local fine sands or silt and clay, typically well-drained. Sediments were deposited by glacial meltwater flowing south from the receding Vashon glacier, with finer sediment stratigraphy reflecting the increasing distance of the melting glacier from the site of deposition (Minard 1985).

Mapped Soil Unit(s): The soils mapped in the project location consist primarily of Norma loam with the interspersed presence of Custer fine sandy loam. The Norma loam soil unit is the predominant soil present in the project location at approximately 70 percent of the total mapped area. Derived from a parent material of alluvium, the soil unit forms in depressions and drainage ways. A typical soil profile can be described as ashy loam, 0 to 10 inches, above two layers of sandy loam, 10 to 28 inches and 28 to 60 inches below the surface. The unit is also considered to drain poorly with the water table at surface level (USDA NRCS 2020).

Custer fine sandy loam is mapped in select and isolated locations throughout the project location, making up approximately 30 percent of the total mapped soils. It forms on outwash plains from a parent material of glacial outwash and can be described as a fine sandy loam, 0 to 9 inches, above two layers of sand, 9 to 35 inches and 35 to 60 inches below the surface. The soil unit is considered to have poor drainage with the water table 0 to 12 inches below the surface. A “strongly contrasting textural stratification” at 20 to 40 inches below the surface may restrict excavation with hand tools (USDA NRCS 2020).

### **2.3 Paleoclimate and Vegetation**

The paleoclimate of the Pacific Northwest during the late Pleistocene and Holocene is defined by four periods, which exhibit general trends based on variations in temperature and moisture (Kopperl et al. 2016:37):

- Between 17,000 and 13,000 cal BP the region’s climate was cooler and drier compared to the present.
- Between 13,000 and 7000 cal BP the region was characterized by higher temperatures, less precipitation, and more severe and more frequent summer droughts and colder winters than that of present.
- Around 7000 BP the regional climate transitioned to a cooler, moister regime, with temperatures near the range of the contemporary maritime climate found in most of coastal Puget Sound.

- Around 5,000 years ago the maritime climate was fully established. Since this time, smaller scale fluctuations have occurred (e.g., the Little Ice Age 500-100 cal BP).

Local climate fluctuations affected temperature and moisture levels in the region and consequently the adaptation of different plant communities during these episodic periods. Subsequent to glacial recession and the subsidence of meltwaters in the Puget Lowland, landforms stabilized and vegetation began to return (McKee 1972). The following is a synopsis of the localized changes in the plant communities as summarized from Kopperl et al. (2016:37-38). Plant species that first emerged during the early Holocene included lodgepole pine, Sitka spruce, and western hemlock with open spruce-pine parkland in higher elevations until approximately 12,000 cal BP. Between 12,000 and 10,000 cal BP, climatic warming facilitated the establishment of trees at upper elevations in the North Cascades, while lowland forests were occupied by Douglas-fir, red alder, and bracken fern. Evidence of increased charcoal accumulations at this time suggests an increase in fire likely facilitated by the warmer, drier conditions. The period between 10,000 and 6000 cal BP is characterized by the warmest and driest conditions in Western Washington during the Holocene. During this time, subalpine parkland expanded into alpine tundra on the Olympic Peninsula; mixed conifer forests dominated higher elevations in the North Cascade Mountains; an increase in alder, bracken fir, and Douglas-fir pollen in lowland sites suggest an adaptation to warmer, drier conditions than have been observed either prior or subsequent to this time. Approximately 6000 cal BP marks the establishment of modern vegetation communities in Western Washington. During this time, lower elevations were characterized by western red cedar in conjunction with western hemlock in the maritime mixed conifer and alder forest, while Alaska cedar, mountain hemlock, and silver fir became established in the cooler, moister conditions of higher elevations.

## 2.4 Archaeological Context

Overview: Thousands of years of human occupation of the Puget Sound have been summarized in a number of archaeological, ethnographic, and historical investigations over the past several decades that provide a regional context for evaluating the project (e.g., Greengo 1983; Kopperl 2016; Larson and Lewarch 1995; Morgan 1999; Nelson 1990). Archaeological evidence suggests the presence of nomadic hunter-gatherers not long after glaciers retreated, meltwaters subsided, and landforms stabilized during the late Pleistocene to early Holocene. Following deglaciation, subsequent changes to landforms, climate, and vegetation influenced the available resources and, consequently, the spatial distribution of human activities. Similar to elsewhere, human land use was generally structured around the value of natural resources available in local environments including fresh water, terrestrial and marine food resources, forests, and suitable terrain.

Evidence of human occupation in the Puget Lowland dates to approximately 12,000 to 9,000 cal BP as evidenced by archaeological site 45KI839 identified below stratified Holocene sediments overlaying Pleistocene glacial deposits at the confluence of Bear Creek and the Sammamish River in Redmond (Kopperl 2016). While early evidence of human occupation in the region is relatively sparse, archaeological sites dating to the early to mid-Holocene are more commonly found.

Archaeological Chronologic Sequence: Kopperl et al. (2016) developed an archaeological chronologic sequence for King County based on their review of previous cultural history,

selectionist, and evolutionary ecological interpretations of western Washington from which they identified a general chronological framework demarcated by changes in the geological, paleobotanical, and archaeological records. Based on their research, they identify five Analytic Periods (AP) that are used to establish an archaeological sensitivity model for King County (discussed in section “3.0 Archaeological Expectations”). Kopperl et al. (2016:10-101) also identified an archaeological resource classification that is first defined by activity association parsed into task intensity then divided into 11 site types. According to their research, based on available data, these site types are represented variably throughout the Analytic Periods and demonstrate an increase in diversity and number of site types over time with an appearance of residential activity, multi-task site types such as villages and base camps in later periods in comparison to the earlier record comprised of more limited-task site types such as specific-resource procurement/processing sites and specific-resource field camps, in addition to a representation of certain multi-task sites such as multiple-resource field camps.

The following provides an overview of the chronological sequence defined for King County (Kopperl et al. 2016:95):

1. Analytic Period 1 (14,000 cal BP to 12,000 cal BP) was a period of relative postglacial environmental stability in Western Washington. During this period, hunter-gatherers began to colonize Western Washington subsequent to the retreat of the Cordilleran Ice Sheet. This period is demarcated by regional climate and vegetation patterns, and estimated arrival of the first hunter-gatherers into the Western Washington region.
2. Analytic Period 2 (12,000 cal BP to 8000 cal BP) is characterized by increasingly sophisticated land use strategies adapted to local environments and the associated shifts of those strategies in regard to regional climate and vegetation patterns.
3. Analytic Period 3 (8000 cal BP to 5000 cal BP) is defined by a shift from a warm, dry climate to a cool, moist climate. During this period, archaeologists have argued that hunter-gatherer subsistence and technology was reorganized in response to the environmental change within this analytic time period.
4. Analytic Period 4 (5000 cal BP to 2500 cal BP) is defined by the appearance of shell middens in the archaeological record of Puget Sound, and the development of old growth Douglas-fir and western hemlock forests within the Puget Lowland. Archaeologists generally recognize shifts in hunter-gatherer economic and technological organization during this period.
5. Analytic Period 5 (2500 cal BP to the commencement of settlement in the area by Euro-Americans about 200 years ago) is defined by developments in hunter-gatherer economic and social patterns and concluding with initial Euro-American contact. The local archaeological record of Puget Sound demonstrates an increase in the number of shell midden sites after 2500 cal BP. The period is also marked by adaptations to localized environmental changes caused by the 1100 cal BP earthquake on the Seattle Fault in addition to probable changes in economic and social organization as a result of Euro-American contact.

## **2.5 Ethnographic Context**

Traditional Territory: The project is within the traditional lands of the present day Stillaguamish Tribe of Indians and the Tulalip Tribes. The Stillaguamish Tribe is composed of descendants of the *Stoluck-wa-mish* River Tribe named on the 1855 Treaty of Point Elliott (Stillaguamish Tribe of Indians 2020). Stillaguamish territory encompassed the Stillaguamish River drainage, including both the North and South Forks of the Stillaguamish River, Pilchuck Creek, and areas

between the Skagit and Snohomish Rivers. The Tulalip Tribes are the federally recognized successors in interest to the Snohomish, Snoqualmie, Skykomish, and other allied tribes and bands signatory to the 1855 Treaty of Point Elliott (Tulalip Tribes 2020).

Precontact settlements were often located on major waterways, river confluences, heads of bays, or inlets, and people practiced a seasonal subsistence economy that included hunting, fishing, and plant food horticulture. In the winter, people lived at permanent village settlements in plank houses constructed from cedar (Bruseh 1926). Summer months were spent hunting, fishing, and gathering at specialized, temporary camps located near food resources. In estuarine and marine environments in the region, there was an abundance of plant and animal resources available. A combination of fish, shellfish, marine mammals, waterfowl, game, roots, and berries served as a rich, diverse, and relatively reliable resource base (Blukis Onat 1987; Suttles and Lane 1990).

Ethnographic Place Names: Twentieth century ethnographers documented locations of villages and names of resource areas, water bodies, and other cultural or geographic landscape features from local informants. Knowledge of these features contributes to the broader archaeological context of the project location and the nature of the archaeology that may be encountered during this assessment. As discussed by Schumacher (2009), at least 26 Stillaguamish villages, campsites, fishing, clamming, and potlatch sites have been identified in historic records, including permanent villages at present-day Arlington, Stanwood, and others around the mouth of the Stillaguamish River (Haeberlin and Gunther 1930; Indian Claims Commission 1974; Smith 1941; Tweddell 1974). At the junction of the North and South Forks of the Stillaguamish River was one of four main Stillaguamish villages, which by about 1850 “had two large houses...and several hundred people” (Indian Claims Commission 1974). This village was referred to as *Skabalko* and was widely known as a popular meeting and trading location (Bruseh 1926). Most permanent settlements were located along the North Fork of the Stillaguamish River, but others have been identified archaeologically along the South Fork of the Stillaguamish (Miss and Campbell 1991).

Ethnographic place names have been recorded for the Quilceda Creek basin. According to Thompson and Butler (2009:4):

Tweddell (1974:623) provides seven places names associated with Quilceda Creek...That creek was well known for silver salmon fishing and also associated with sturgeon. Four villages or house locations were located along the creek; one with a potlatch house, and a cemetery also was located in the area.

While no recorded place names have been identified for the project location, additional ethnographic information was obtained for the locality. Information provided by Stillaguamish cultural resources personnel indicated a Stillaguamish longhouse once stood on the northern edge of the marshlands at the head of Quilceda Creek, near the project location (see Appendix A). Families would collect berries from the area and a series of trails connected them to several other locations. A map provided by Sally Snyder for the Stillaguamish case to the Indian Claims Commission depicted one such trail as connecting from the head of Quilceda Creek, in the project vicinity, and proceeding to the northeast to *bá'quab*, located near present-day Arlington and southeast of the confluence of the North and South Forks of the Stillaguamish River (Indian Claims Commission 1974:586-687, Map 4). Additional information provided by Nels Bruseh

for the same case indicated that a trail led to Quilceda Creek from Kent's Prairie, a wetland resource also located in present-day Arlington (Indian Claims Commission 1974:595).

## **2.6 Historical Context**

Early Euro-American settlement of Snohomish County began on the heels of the Donation Land Claim Act of 1850, and initially focused on areas accessible from waterways such as Possession Sound, Port Susan, and the Snohomish and Stillaguamish Rivers. The mouth of the Snohomish River, in particular, was a center for logging activity and settlement (Whitfield 1926). In 1853, the United States organized Washington Territory and appointed Isaac I. Stevens as its governor. Following several years of conflict, the Point Elliot Treaty was signed at Mukilteo on January 22, 1855. The treaty called for cession of lands to the United States and the maintenance of fishing rights and annuities, as well as the concentration of Indian people living in western Washington upon reservation lands (Marino 1990). The Point Elliot Treaty led to the abandonment of most Puget Sound villages and compelled Indians to relocate to reservations (Ruby and Brown 1992). While the Stillaguamish Tribe was named in the preamble of this treaty they were not signatories. Rather, the Stillaguamish Tribe were assigned to the reservation at Tulalip (Lane 1973). Many did not leave their traditional land and some took homestead claims and became sedentary, after which, seasonal camps were seldom visited. The Stillaguamish Tribe eventually achieved federal recognition in 1976 and subsequently established a reservation in Arlington (Ruby and Brown 1992; Conroy 2005).

As previously discussed by Kassa-Kleinschmidt (2017:7), the history of Marysville and Snohomish County has been described in numerous sources (e.g. City of Marysville 2019; Dougherty 2007; Whitfield 1926) and is summarized as follows. Before Maryville was established, Euro-American loggers arrived in the vicinity. In 1864, a lumber camp called "Hog' Em" opened three miles north of present-day Marysville (Dougherty 2007), between two and three miles south of the current project. In 1878, James P. Comeford and his wife Maria arrived in Snohomish County and moved onto the Tulalip Reservation. The Comefords purportedly purchased 1,280 acres for \$450 and constructed a store with living quarters attached to a plank road called Front Street where Marysville would later be founded. In the following decades, the settlement expanded and acquired a post office in 1880 and a sawmill in 1887 built by E. J. Anderson. By 1895, Mr. Comeford had designed the town and platted nine blocks between the Tulalip Reservation and Liberty Street. Early settlers arrived by steamboat and, after 1889, by railroad to partake in the growing logging industry or to farm the land, most notably for strawberry cultivation in subsequent decades. By 1891, Marysville had been incorporated and establishment of the town continued into the early decades of the twentieth century. The onset of World War II brought many benefits to economies that had been nearly extinguished during the Great Depression; however, a devastating freeze in the winter of 1955 destroyed much of the strawberry cultivation in the area and farmland began to be converted into residential neighborhoods. Periodic annexations during the latter half of the twentieth century increased the population of Marysville as did construction of Interstate 5, which provided connectivity to economic opportunities in the growing Seattle area.

The history of Arlington has been detailed in numerous sources (e.g. Arlington 2020a, b, c; Oakley 2007; Olsen 1993). A brief summary is as follows. While an overland trail was cut from the town Snohomish to the Stillaguamish River in 1856, crossing just under the forks it wasn't

until the 1880s that settlers began filing claims in the area. Arlington began in 1890 with an intense rivalry between competing town locations of Arlington and Haller City near the Stillaguamish River. Though Haller City was closer to the Stillaguamish, it was the arrival of the Seattle, Lake Shore, & Eastern Railroad in Arlington that same year that established it as the stronger location. The two towns were incorporated as Arlington in 1903. Arlington began as a logging and agriculture based economy with travel facilitated by railways and established wagon roads. In 1905 the town was connected to a wider network of communities through state roads heading north and a rail line heading east to Darrington. Economic assistance was provided during the Great Depression when local mills closed. A Civilian Conservation Corps camp opened in Darrington in 1933, providing jobs and projects to the surrounding area, including Arlington. Funding from the Civil Works Administration and the Works Progress Administration allowed for the Arlington Airport to be constructed in the mid-1930s. The airport was temporarily leased by the U.S. Navy for training and auxiliary support from 1940 to the end of World War II, when it was placed in municipal control.

While logging, aviation, and agriculture continue to be important industries in the Arlington area, modern Arlington is also a growing bedroom community. The completion of Interstate 5 in 1969 allowed for greater population mobility, allowing workers to look further afield for housing. By 1980, Arlington was home to workers from as far away as Seattle, and would experience an increase over 450 percent in population in the following 20 years.

## **2.7 Historical Records Search**

Review of historical maps and aerial imagery provide an understanding of the historic and modern land use, and ownership of the project and surrounding area. The General Land Office (GLO) conducted early cadastral surveys to define or re-establish the boundaries and subdivisions of Federal Lands of the United States so that land patents could be issued transferring the title of the land from the Federal government to individuals. The GLO produced a map in 1875 for Township 31 North, Range 5 East, including the project location (Figure 4; USSG 1875). The survey illustrated the project as located on the within a large marshland fed by creeks flowing from the east. No cultural features such as trails, homesteads, Indian villages, or other cultural features are shown in the project location on this map (USSG 1875). Land patents on file at the Bureau of Land Management (2020) identify the project as within lands held under six patents filed between 1888 and 1891 (see Figure 4; Table 2). By 1898 a land classification map for western Washington depicted the project as within a “burnt area” (USGS 1898).

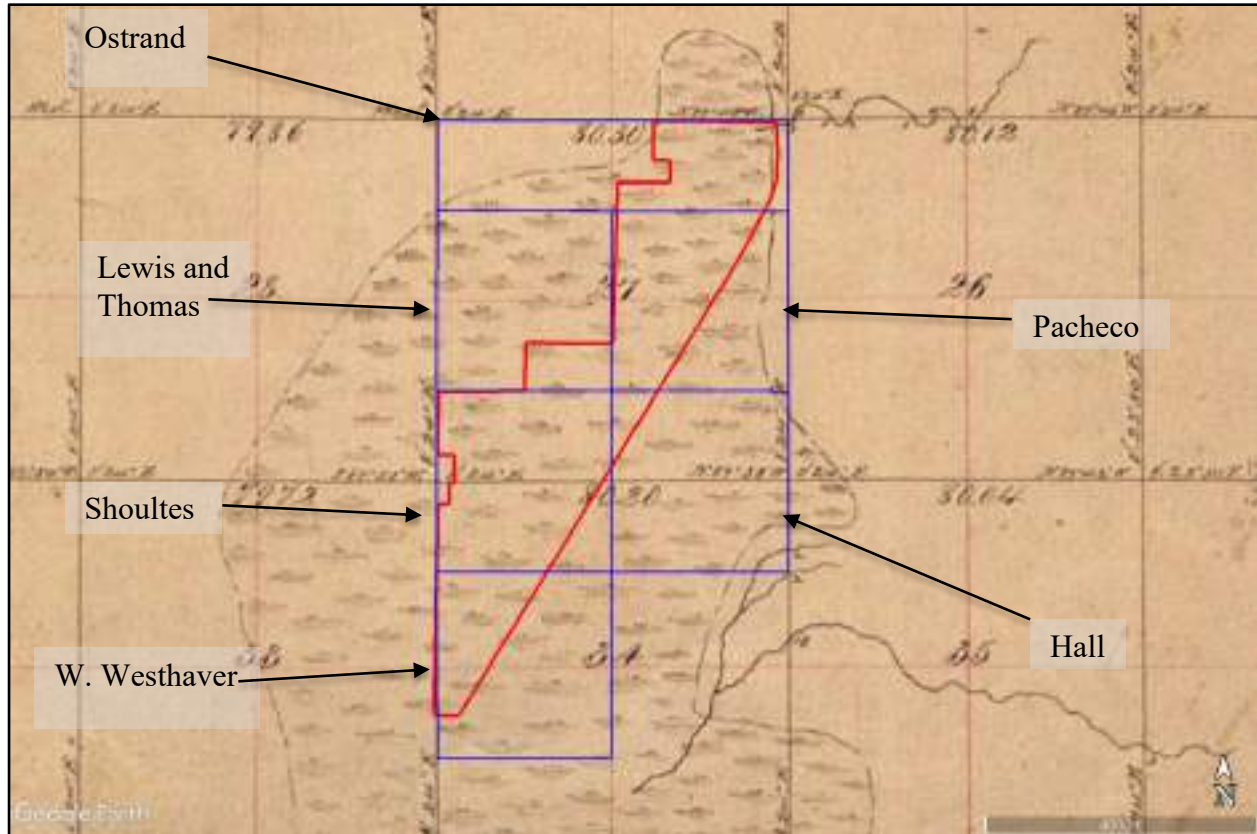


Figure 4. Portion of 1875 cadastral surveys of Township 31 N, Range 05 East, annotated with project location (red) and BLM patents (blue), which are located in an area depicted as wetland (USSG 1875).

Table 2. List of patent holders for lands including the project location.

Patent holder	Project parcels included in patent bounds	Patent details
Carl W. Ostrand	North two-thirds of A	11/23/1891; WASAA 068997; April 24, 1820: Sale-Cash Entry (3 Stat. 566); total 160 acres
Cosme Pacheco	South third of A, all of B, and the north three-quarters of H	1/28/1888; WAOAA 068793; April 24, 1820: Sale-Cash Entry (3 Stat. 566); total 160 acres
James E. Hall	South quarter of H	2/19/1891; WASAA 068929 May 20, 1862: Homestead Entry Original (12 Stat. 392); total 160 acres
Abraham T. Lewis and Ellenor Thomas	C	10/13/1891; WASAA 068966; May 20, 1862: Homestead Entry Original (12 Stat. 392); total 160 acres
Seymour Shoultes	All of D, E, F, G, H, I, H, K and L.	1/22/1891; WASAA 068923; April 24, 1820: Sale-Cash Entry (3 Stat. 566); total 160 acres
William Westhaver	All of M, N, and O.	9/5/1890; WASAA 068882; May 20, 1862: Homestead Entry Original (12 Stat. 392); Total 160 acres

Historic county atlases and topographic maps provide information regarding landownership and use during the late 1800s and early 1900s. Topographic maps were available for the project location beginning in 1911 and the atlases were available beginning in 1910 (Historic Map Works 2020; NGMDB 2020). Early depictions of the project location illustrated it as a relatively flat valley located between two ridges. Described in order from west to east, the following transportation routes tracked a north-to-south trajectory:



- a local road (modern-day 51<sup>st</sup> Avenue) ran along the western section lines of Sections 27 and 34;.
- a tram line for the Marysville & Northern (M & N) Railway passed along the quarter section lines of Sections 27 and 34;
- a thoroughfare (modern-day 67<sup>th</sup> Avenue) approached the northeast corner of the project along the eastern section lines of Sections 27 and 34;
- and the Northern Pacific (NP) Railway passed along the project location at the northeast corner, having approached the project location at a slight angle from the southeast.

As the thoroughfare and NP Railway approached the northeast corner of the project, the thoroughfare formed a sharp eastward intersection over the rail line before turning to continue north on the eastern side of the railroad. Two local routes allowed east-to-west transportation within the project vicinity: one passing along the northern section line of Section 27, and another along an eighth section line of Section 34, just south of the northern section line of the same (Figure 5; USGS 1911).

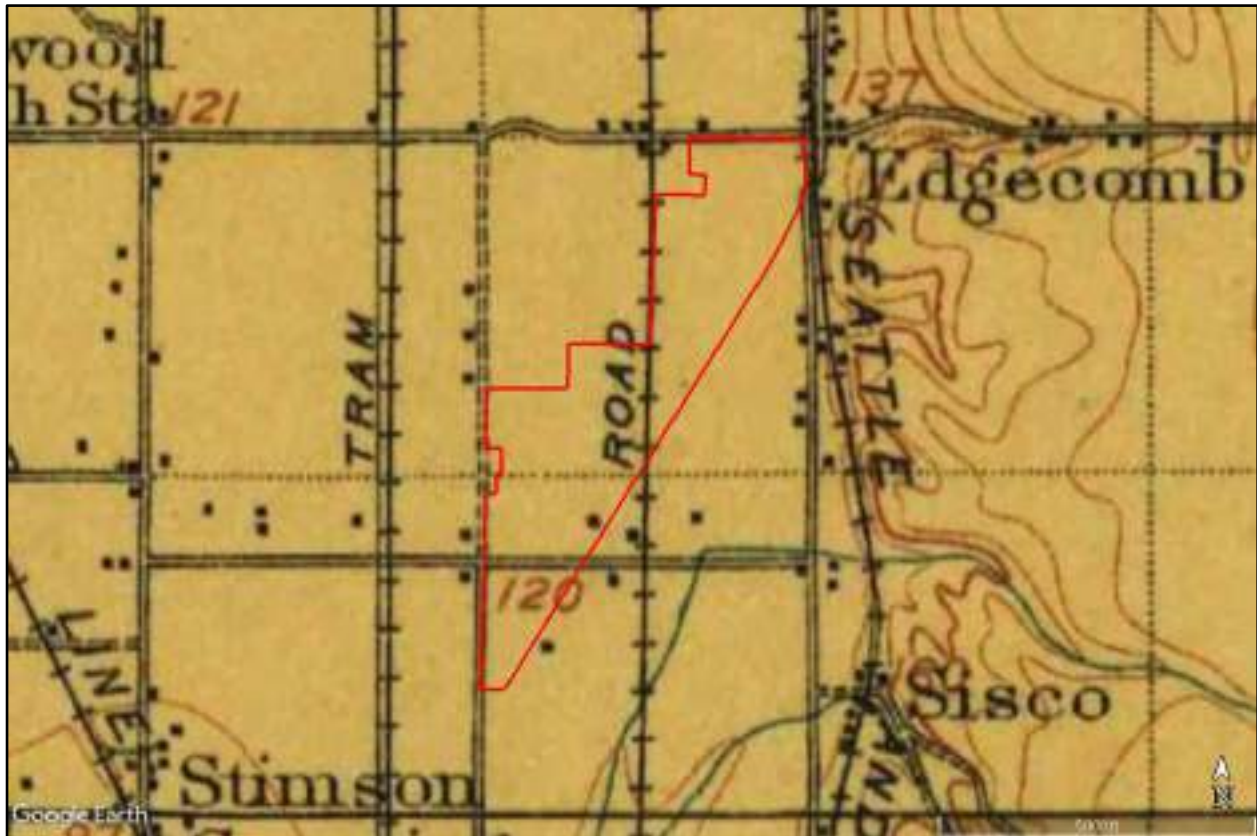


Figure 5. Portion of 1911 USGS map of Mount Vernon, Washington annotated with project location (red).

An atlas produced in 1910 depicted the project location within lands occupied by eight individuals (Table 3). Structures were noted within the vicinity of the project location within parcels owned by Peter Wickoff (parcel I), Israel Norberg (parcel J), and William Westhaver (parcels M) (Anderson 1910; USGS 1911). By 1927 much of the project location had changed hands, though was still within eight separate landholdings, and by 1934 at least two of the land holdings (six project parcels) were under bank ownership (see Table 3).



Table 3. List of project parcels with recorded ownership/occupation as described by available historic atlases of Snohomish County.

Parcel label	Section	Snohomish Co. Parcel Number	Anderson 1910	Metsker 1927	Kroll 1934	Kroll 1943	Kroll 1960
A	27	31052700100100	Carl W. Ostrand (N $\frac{2}{3}$ ) and Cosine Pacheo (S $\frac{1}{3}$ )	John E. Bratnober (N $\frac{2}{3}$ ) and G. Sanford (S $\frac{1}{3}$ )	First National Bank of Seattle	Ernest Thompson	J. Roetcisoender
B		31052700100300	Cosine Pacheo	G. Sanford	Carl Nelson	Lucien Roth	Lucien Roth
C		31052700300200	E. E. Colvin	Lucien Roth	Lucien Roth	Lucien Roth	Lucien Roth
D		31052700300500	Israel Norberg	Lucien Roth	Lucien Roth	Lucien Roth	Lucien Roth
E		31052700300700	Israel Norberg	M. Norberg	Mary A. Norberg	Arvid Norberg	Arvid Norberg
F		31052700300800	Peter Wickoff	Peter Wickoff	Peter Wickoff	E & P Wickoff	John A. Danielson
G		31052700300900	Israel Norberg	M. Norberg	Mary A. Norberg	Arvid Norberg	Arvid Norberg
H		31052700400300	Cosine Pacheo (N $\frac{1}{2}$ ) and Louis Anderson (S $\frac{1}{2}$ )	G. Sanford	Carl Nelson and Mathilda Elske	Lucien Roth	Lucien Roth
I		31053400200300	Peter Wickoff	Peter Wickoff	Peter Wickoff	Peter Wickoff	John A. Danielson
J		31053400200400	Israel Norberg	M. Norberg	I. Norberg	M.A. Norberg	Arvid Norberg
K		31053400200500	Israel Norberg	M. Norberg	I. Norberg	M.A. Norberg	Arvid Norberg
L		31053400200600	Seymour Shoultes	Seymour Shoultes	Stanley Shoultes	Ernest Graafastra	Ernest Graafastra
M		31053400200700	William Westhaver	O. Drange	1st National Bank of Everett	John Klein	John Klein
N		31053400200800	William Westhaver	O. Drange	1st National Bank of Everett	John Klein	John Klein
O		31053400300300	William Westhaver	O. Drange	1st National Bank of Everett	John Klein	John Klein

The next detailed topographic map was produced in 1941 (Figure 6). While the roadways appeared unaltered, the M & N Tram way had been removed and a new northeast to southwest trending railway connected with the Northern Pacific railway at the northeast corner of the project, forming the east and southeast boundaries of the project location. At least three structures were recorded within the project location: one structure was located in the northeast corner of the project (parcel A), near the southeast corner of the intersection of modern-day 67<sup>th</sup> Ave NE and 172<sup>nd</sup> Street NE; one was located in the southern third, north of the intersection of the Northern Pacific Railroad and modern-day 152<sup>nd</sup> Street NE (Parcel J); and one was located along the Northern Pacific Railroad near the south tip of the project location (parcel M). Two structures were also mapped along the west edge of the project location, however, due to the

moderately large scale of the map, these locations may be skewed (USGS 1941). Additionally, historic aerial images from 1954 and later topographic maps from 1956, made in a smaller scale, depicted these structures slightly north of the 1941 positions and outside of the project location (NETR 2020; USGS 1956).

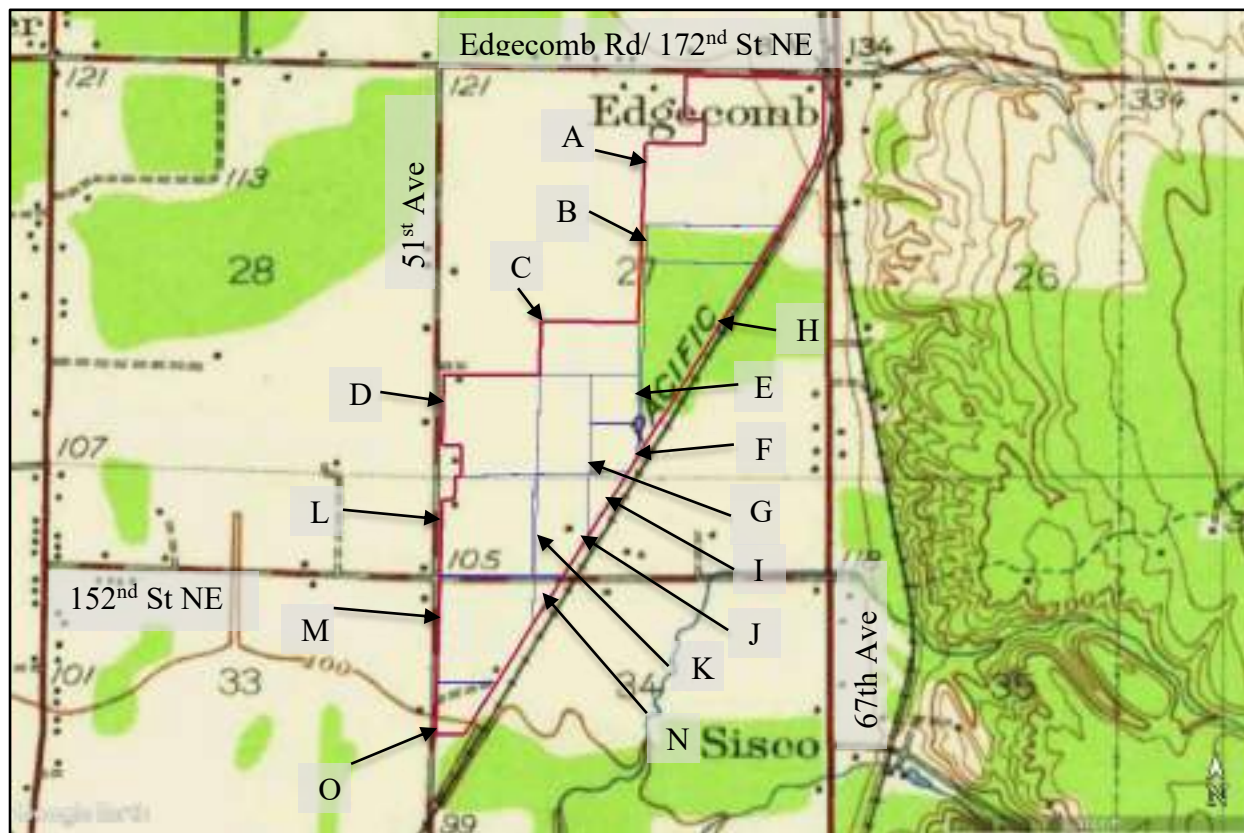


Figure 6. Portion of the 1941 USGS map of Marysville, Washington quadrangle annotated with project location (red), modern parcel boundaries (blue), and modern road names.

The drainage routes for Westphal and Edgecomb Creeks were mapped by 1956 (Figure 7). Local road names were also recorded for modern day 51<sup>st</sup> Avenue, then called Shoultes Road, and 152<sup>nd</sup> Street, then called Cox Road. The same 1956 map depicted a barn or large outbuilding near the structure in the northeast corner of the project (parcel A), and a new house and barn were mapped on the south side of modern-day 152<sup>nd</sup> Street NE, just west of the Edgecomb Creek drainage route (northeast corner of parcel M) (USGS 1956). By 1960 the roads had attained their modern names (Kroll 1960).



Figure 7. Portion of 1956 USGS of Arlington West, Washington quadrangle annotated with the project location (red) and modern road names.

Subsequent editions, with revisions based on aerial photography, depicted various added or expanded structures within the project location, specifically: a more detailed polygon for the barn located in the northeast corner of parcel A; an additional structure in parcel J; a new structure north of 152<sup>nd</sup> Street and west of Edgecomb Creek (parcel L); and additional structures in the northeast corner of parcel M (USGS 1969). The Northern Pacific Road was renamed the Burlington Northern in a 1976 topographic map (USGS 1976). A second outbuilding was depicted in the northeast corner of the parcel A in 1982, as were two new structures in the southeast corner of the intersection of 51<sup>st</sup> Avenue NE and 152<sup>nd</sup> Street NE (northwest corner of parcel M) (USGS 1982).

Historic aerial imagery is available for the project location beginning in 1954 (NETR 2020). This imagery is intermittently available and generally lower quality, which may not provide adequate detailed information regarding changes at a smaller scale within the project. Aerial images produced in 1954 depicted the project location as a set of fields of various crops or land treatments. In general, the project location has been, and still is used agriculturally with construction limited to four parcels, A, J, L, and M, discussed here separately.

Construction in Parcel A was concentrated in the northeast corner, with at least three structures visible in imagery produced in 1954. These can be described as a long rectangular gable-roofed

building oriented north-to-south, a small gable-roofed square building oriented east-to-west and located to the northwest of the larger structure, and an indistinct small building to the north of the complex. An indistinct shadow to the southeast of the complex matches the location of an identifiable building seen in imagery from 1969. By 1969, the larger structure appears to have been replaced with a new buildings, being a large gable roofed square, oriented east-to-west, with a smaller wing to the northeast. The structure to the southeast of the complex, distinct in 1969 imagery, is a long rectangle oriented east-to-west. Small expansions or additions in the vicinity of the large structure were briefly visible in 1980, disappearing by 1990. By 2006, the southeastern structure was removed. The entire complex was removed between 2009 and 2011 (NETR 2020).

A large rectangular building was first depicted in the southeast corner of Parcel L in 1969. A second structure was built parallel and close to the west face of the main building, with imagery depicting the two buildings as a north-to-south gable roofed structures forming a valley roof. The main structure appeared to be in disrepair by 2006 and was removed by 2009 (NETR 2020). The western structure was still visible as of 2018 (Google 2020).

Imagery from 1954 depicted a long drive on 152<sup>nd</sup> Street heading north along the west edge of Parcel L before ending at an L-shaped complex half-way up the parcel boundary. The complex appeared to be three buildings, being a small north-to-south gable roofed structure along the east leg of the complex, a small outbuilding at the joint in the northeast corner, and a large, east-to-west oriented gable roofed building forming the north leg of the complex. No further construction was observed in the subsequent imagery. By 1980 the drive appeared to be minimally used, by 1990 the structures appeared to be in disrepair, and by 2006, the structures had been removed. Subsequent variations in the patterns of vegetation indicate that while no structures are visible, some residue of their presence may still remain in the surface sediments (NETR 2020).

Parcel M has been altered the most in the last 66 years with three separate construction loci, being located in the southeast, northeast, and northwest corners of the property. Imagery from 1954 depicted a long drive along the southern boundary of the parcel, traversing the parcel and crossing the railroad to a structure on the southeast side of the railroad tracks, near a loop on modern-day 147<sup>th</sup> Place NE. A shadow on the northwest side of the tracks, in the southeast corner of parcel M, may have been a structure. By 1969 the drive and shadow were no longer visible. A complex of four structures in the northeast corner of the parcel was seen in 1954 imagery as a long, rectangular, north-to-south gable-roofed structure at the southeast corner; a large east-to-west, gable-roofed square building in the southwest corner; and two small structures in the northwest corner. Two short-term structures were seen in later images: a long north-to-south oriented rectangle to the south of the southeastern building in 1969 imagery; and a narrow northwest-to-southeast structure to the northeast of the complex in 1980. Few other changes were obvious until 2009 when the structures started showing signs of disrepair, especially the large structure to the southwest and smaller structures to the northwest. The structures likely were removed by the 2011 imagery, though concrete debris remains (Google 2020; NETR 2020). A single structure was first visible in the northwest corner of parcel M in imagery produced in 1969. By 1981 three more buildings had been constructed: a narrow red building parallel to the first structure; and two to the southeast, seen as a large rectangular building with a small square

one to the east of it. The structures appeared to change very little in the succeeding years until two of the structures, the long red and the small square buildings, were removed between 2011 and 2013. A small square structure was added to the south of the large rectangular building during this time period (NETR 2020).

Snohomish County Assessor records describe a 1943 single-story residence within parcel M (31053700200700). Images available through the assessor indicate this residence may refer to the structure at the southeast corner of 51<sup>st</sup> Avenue and 152<sup>nd</sup> Street (northwest corner of parcel M) (Google 2020; SC Assessor 2020). These structures were not visible in historic aerial images from 1954 (NETR 2020). No other structures are described within this or any other parcel within the project location (SC Assessor 2020).

## 2.8 Cultural Resources Database Review

A review of the WISAARD database identified previous cultural resource studies, recorded precontact and historic sites, and recorded built environment, which helps gauge the potential and likely nature of cultural resources present within the project vicinity (DAHPP 2020b). Twenty-four cultural resources surveys were identified within a mile of the project boundary (Table 3). Of these, one was completed along the northern boundary of the project location (Robinson 1999) and one traversed the center of the project location (Gilpin and Silverman 2009). These and other investigations have identified four archaeological sites, one register-listed historic property, and approximately 328 historic inventory properties within one mile of the project boundary. No cemeteries or traditional cultural places were listed within one mile of the project boundary.

Table 4. List of cultural resource reports recorded on WISAARD within one mile of the project location.

NADB	Lead Author	Report Date	Title	Distance from project boundary
1343377	J. M. Robinson	1999	A Cultural Resources Survey of Washington State Department of Transportation's SR 531: Milepost 6.99 to Milepost 8.59 Widening Project	adjacent north
1689761	M. Berger	2016	1604M-2 Cultural Resources Assessment for the Snohomish County PUD No. 1 Arlington Remote Pole Yard Project, Arlington, Snohomish County, Washington	.26 mile north
1692919	E. Arthur	2019	Cultural Resources Survey for the Centennial Park Project, Arlington, Snohomish County, Washington	250 ft northeast
1687982	S. Emerson	2016	Cultural Resources Survey for the Washington State Department of Transportation's Edgecomb Creek Fish Passage Project, Snohomish County, Washington	200 ft east
1334571	L.C. Naoi Goetz	1995	Cultural Resources Survey for the City of Arlington SR 531 and 67th Avenue NE Intersection Improvement Project	260 ft north
1693552	M. Hovezak	2019	Archaeological Survey of the Olaf Strad Re-meander and Revegetation Project, Snohomish County, Washington	.28 mile east
1354778	K. Bush	2011	Archaeological Investigation Report Phase 1 Stage 3	250 ft east
1353374	J. Piper	2009	Draft: Phase 2 Cultural Resource Assessment for the Sedro Wooley Horse Ranch Transmission Line Upgrade	.76 mile east

<b>NADB</b>	<b>Lead Author</b>	<b>Report Date</b>	<b>Title</b>	<b>Distance from project boundary</b>
1685606	A. Earley	2014	Cultural Resources Assessment for the Upper Middle Fork Quilceda Stream Restoration Project	.36 mile southeast
1353554	J. Gilpin	2009	Cultural Resources Assessment for the Snohomish County PUD's Edgecomb Transmission Line Project	crosses project center, east to west
1692308	G. Baldwin	2019	Cultural Resource Review at the Salacia LLC Proposed Processing Plant Project (Parcel 31053300400700), Marysville, Snohomish County, Washington	0.27 mile south
1686046	L. Mastrangelo	2015	Archaeological Survey of the Marysville Strawberry Fields (SN973) Telecommunications Project Area	0.44 mile south
1353822	S. M. Silverman	2009	Cultural Resources Assessment for the Northpointe Industrial Park Project	.57 mile west southwest
1352269	J. Sharpe	2008	Cultural Resources Evaluation Report, Everett Vicinity BRAC\GTA MILCON Project	.65 mile southwest
1692748	G. Baldwin	2019	Cultural Resource for the Lark Family Partnership LLC Industrial Development, Marysville, Snohomish County, Washington	.5 mile west
1693601	M. Berger	2019	Cultural Resources Assessment for the Marysville Commercial Development, Marysville, Snohomish County, Washington	.52 mile west
1692268	M. Berger	2019	Cultural Resources Assessment for the MI-5 Project, Marysville, Snohomish County, Washington	.52 mile west
1690496	B. Mathews	2017	Cultural Resources Assessment for the Hayho Creek Commerce Center, Marysville, Snohomish County	.26 mile west
1692309	G. Baldwin	2019	Cultural Resource Review at the East 40 Industrial Development Project, Marysville, Snohomish County, Washington	.54 mile west
1351552	B. Crespin	2008	Cultural Resources Report of the Alexander Land Disposal Project, Parcel 31052800300100	.5 mile W
1693524	G. Baldwin	2019	Cultural Resource Review for the BYK Development at 16612 51st AVE NE, Arlington, Snohomish County, Washington	.38 mile northwest
1349576	M. Berger	2007	Cultural Resources Assessment for the Community Transit North Park and Ride and Transit Center, Arlington	.98 mile northwest
1354025	K. Shantry	2010	Cultural Resources Assessment for the Arlington Airport West Side Road, Snohomish County, Washington	.65 mile west-northwest
1343377	J. M. Robinson	1999	A Cultural Resources Survey of Washington State Department of Transportation's SR 531: Milepost 6.99 to Milepost 8.59 Widening Project	adjacent north

A cultural resources survey was completed in association with a road widening project for SR 531 along the north edge of the project in 1999. The survey used a combination of lazy-S pedestrian survey transects and select subsoil testing, focusing on the south side of SR 531 and the landscape near a channelized (Edgecomb) creek. No cultural resources were identified through this survey (Robinson 1999).

Historical Research Associates, Inc. completed a survey, which included a small area through the center of the project location, in association with the transmission line connected to the Edgecomb Substation located approximately 900 ft (275 m) west of the west-northwest corner of



the current project. The survey was accomplished through a pedestrian survey and the placement of 17 shovel probes for subsurface testing. Two of the shovel probes were placed within parcel H of the project location and five were placed along the easement on the northern boundary of parcel C. Soils were described as marshland alluvium (sandy clay to clayey sand) above glacial till (coarse sand). No archaeological sites were identified through this survey. Three historic inventory properties were recorded as a result of the survey, all three being adjacent to the current project. These were identified as the Northern Pacific Railway bed (DAHP Property #100154), the Olaf Straad Creek ditch (DAHP Property #10156), and the Edgecomb Creek Ditch (DAHP Property #100155). The Northern Pacific Railway was constructed along the eastern edge of the current project location between 1910 and 1926. It remains in use as the Burlington Northern-Santa Fe (BNSF) Railway and is unlikely to be affected by this project. The Olaf Straad Creek ditch is a circa 1950 man-made drainage route which runs along the eastern edge of the Northern Pacific Railway and is also not likely to be affected by this project. Edgecomb Creek ditch was recorded as a north-south trending section of the drainage ditch located on the western edge of parcel H and will be altered by the current project. It was described as having a trapezoidal profile and was estimated to be approximately 1.5-2.5 m (5- 8 ft) wide and 1.5 m (5 ft) deep with gravel drainage at the base. The western embankment was identified as potentially being the previous M&N railroad and subsequent 59<sup>th</sup> Street alignment. No remnants were observed, potentially due to removal, or lack of raised surface above the plain. The survey recommended that none of the inventoried properties were eligible for listing on historic registers (Gilpin and Silverman 2009; DAHP 2020b). It should be noted that the inventory for each of these resources was limited to the area within the transmission line survey and does not address lengths extending to the north and south, including Edgecomb Creek ditch which continues south and winds its way through the current project location.

Four archeological sites have been identified within one mile of the project location: 45SN26, 45KI451, 45SN463, and 45SN720. Site 45SN26, previously known as the Myrick-Anderson site, is located between the Burlington Northern Railroad and 67th Avenue NE, .62 mile north of the projects northern boundary. It was identified as a precontact lithic scatter approximately 500 yards (N-S) by 100 yards (E-W) through a local informant who had collected materials from the site, which included choppers, scrapers, large bipoints and fragments, and one “McNary serrated point” (Myrick and Kidd 1961). The recorder notes that the site was historically in close proximity to a creek (Myrick and Kidd 1961). It was recorded as a surface scatter and no subsurface testing was conducted. While the recorder indicated a belief the site was mainly a surface deposit, additional testing was recommended for the east side of 67th Avenue adjacent to the site (Myrick and Kidd 1961). A site visit was conducted in 1991 but the surface was obscured by grading and/or fill materials (75 percent of the site) or thick grasses (Obermayr 1991). No determination has been made for this site concerning its eligibility for listing on historic registers.

Site 45SKI451 refers to recorded sections of the railway grade of the Seattle Lake Shore & Eastern (SLS&E) Railroad, including a section approximately .94 mile east-southeast of the southeastern boundary of the project location. The construction of the SLS&E railroad began in Seattle in 1887 and reached Sumas near the Canadian border in 1891. By 1891 the SLS&E railroad was an operating subsidiary of the NP railroad who, after financial turbulence associated with the financial panic of 1893, acquired the line outright in 1901. NP merged with other

companies to become the Burlington Northern Railroad in 1970. Sections of the line were abandoned soon after (Hudson and Nelson 1997). Sections of the railroad were converted for use as the Centennial Trail in 1989 during the Washington State Centennial with additional sections added in later decades (Hoyt and Johnson 2011; Wilt 2012).

Site 45SN463 is an historic isolate located .95 mile southwest of the southwest corner of the project location. The site is described as a clear glazed porcelain rim sherd that was found on the ground surface after a corn harvest. The ceramic is estimated to date to circa 1910-1950 and was assumed to be associated with historic era homesteading and settlement. Subsurface investigations in the vicinity did not locate additional materials (DeMaris 2008; Sharpe and DeMaris 2008:9).

Archaeological site 45SN720 is located .82 mile north-northeast of the project. Designated an historic isolate, the site is described as a circa 1940s-50s building foundation with an associated over-layer of charcoal debris which contained wire nails and green container glass shards. Additional artifacts included amethyst glass and molded ceramic shards (Macrae 2019).

One register-listed property, the Naval Auxiliary Air Station in Arlington, is listed within 800 ft to the northwest of the north end of the project location. Also known as the Arlington Municipal Airport, the property was recommended eligible for the NRHP in 2011 under Criterion A: Property is associated with historically significant events, and Criterion C: Property embodies the characteristics of a type, a period or the work of a master. While construction and use of a landing strip on the property began in 1934, mainly funded by public programs such as the Civil Works Administration and the Washington Emergency Relief Agency, it was the Airport's association with the U.S. Navy during World War II that was chief in the recommendation for listing on the NRHP. The navy officially took over the use and maintenance of the Airport property in 1940, condemning and expanding into the property to the south in the following years. A new cross-runway and additional structures such as offices, barracks, a dispensary, and other support facilities were constructed over the course of the next few years. To make room, the navy sold off many of the original frame structures and barns left on the property after the expansion. Purchased structures were then removed from the property. The navy moved the airport to caretaker status at the end of the war before deactivating it the following year and ultimately sold the property to the City of Arlington in 1959 (Boswell and Heideman 2011).

Approximately 328 historic inventory properties are recorded within one mile of the project location. Of these, six have been determined eligible for listing on historic registers and six have been determined not eligible. Eighteen, including the Northern Pacific Railroad bed (DAHP Property #100154), historic Edgecomb Creek Ditch (DAHP Property #100155), and historic Olaf Straad Creek ditch (DAHP Property #100156) detailed above, have yet to have a determination made concerning eligibility. The remaining 298 were added to the Historic Property Inventory (HPI) as part of DAHP's 2011 HPI Upload Project, which involved the addition of available information from the County Assessor's building records to WISAARD (ACI et al. 2011). None of the uploaded data was field verified at the time, nor were eligibility assessments conducted.

Twelve historic inventory properties have been recorded within 300 ft of the project location, including one within on the project boundary (Table 4; DAHP 2020b). These include six single-



family homes constructed between 1909 and 1968, two mid-20<sup>th</sup> century drainage ditches, an historic railroad grade, and an agricultural building. A 1910 commercial building was documented in the project vicinity but has since been remodeled/replaced (Google 2020; NETR 2020; Stutzman 1995). A 1934 single-family dwelling with outbuildings is listed at 5414 152nd Street NE within the project location, but has not been field verified. The property, if present, will be demolished as part of this project.

Table 5. Historic structures inventoried within 300 ft of the project location.

Structure Name	Address	Built Date(s)	Historic Use	Historic Register Status	Potential Impacts
269220	Northeast corner of Edgecomb Road and 67 <sup>th</sup> Avenue, Arlington	1964	Warehouse	Part of HPI Upload (ACI et al 2011)	No impact
18584	6631 172 <sup>nd</sup> Street NE, Arlington	c. 1910	Commercial	Not determined	No impact
100154	BNSF railroad grade, Vicinity of Edgecomb	C 1910-26	Transportation-Railroad	Not determined	No impact
100155	Edgecomb Creek ditch, Vicinity of Edgecomb	Pre-1960	Drainage ditch, Transportation	Not determined	Proposed to be re-routed
100156	Olaf Straad Creek ditch, Vicinity of Edgecomb	c. 1950	Drainage ditch, Transportation	Not determined	No impact
228885	5414 152 <sup>nd</sup> Street NE, Marysville	1934	Single-family dwelling	Part of HPI Upload (ACI et al 2011)	Proposed to be demolished
229187	15308 51 <sup>st</sup> Avenue NE, Marysville	1961	Single-family dwelling	Part of HPI Upload (ACI et al 2011)	No impact
209560	15509 51 <sup>st</sup> Avenue NE, Marysville	1939	Single-family dwelling	Part of HPI Upload (ACI et al 2011)	No impact
218576	15528 51 <sup>st</sup> Avenue NE, Marysville	1966	Single-family dwelling	Part of HPI Upload (ACI et al 2011)	No impact
229469	15627 51 <sup>st</sup> Avenue NE, Marysville, WA	1922	Single-family dwelling	Part of HPI Upload (ACI et al 2011)	No impact
228849	16015 51 <sup>st</sup> Ave NE, Marysville, WA	1909	Single-family dwelling	Not determined	No impact
722682	16015 51 <sup>st</sup> Ave NE, Marysville, WA	Pre-1954	Agricultural/Industrial – Animal Facility	Not determined	No impact

Snohomish County Register: A review of the Snohomish County Historic Sites (SCHPC 2020) did not identify any register listed properties within two miles of the project location.

### 3.0 Archaeological Expectations

#### 3.1 Archaeological Predictive Models

DAHP Predictive Model: The DAHP statewide predictive model uses environmental data about the locations of known archaeological sites to identify where previously unknown sites are more likely to be found. The model correlates locations of known archaeological data to environmental data “to determine the probability that, under a particular set of environmental conditions,

another location would be expected to contain an archaeological site” (Kauhi and Markert 2009:2-3). Environmental data categories included in the model are elevation, slope, aspect, distance to water, geology, soils, and landforms. According to the model, the majority of the project location is ranked as “Survey Highly Advised: High Risk” with locations in the northeast and southwest corners ranked as “Survey Highly Advised: Very High Risk”. A very small area in the north-central portion is ranked “Survey Recommended: Moderate Risk. Risk appears to be ranked based on proximity to the center of the mapped historic marshland. The south half of Parcel A, most of Parcels E, G, J, and K, the west halves of Parcels L and M, and all of Parcel N ranked as “Very High Risk” with risk levels decreasing near the boundaries of the marshland, and therefore, the project location.

### **3.2 Archaeological Expectations**

This assessment considers the implications of the predictive model coupled with an understanding of geomorphological context, local settlement patterns, and post-depositional processes to characterize the potential for archaeological deposits to be encountered. Mapped soils in the project location are derived from a mix of Pleistocene era glacial sediments and Holocene era marshland alluvium. The marshland has been recognized both in ethnographic and historic records and represents a long-term depositional environment. Local archaeological surveys have encountered alluvium resting on glacial deposits, with glacial deposits present at 45 cm or more below the surface. Glacial deposits form the floor of Holocene deposits and are typically considered culturally sterile. Due to the nature of alluvial deposition, archaeological materials and deposits may be present within 45 cm or more of the surface. Historic era logging, clearing, farming, and localized residential and road development likely turbated the majority of near surface sediments within the project location leaving little if any intact sediment and therefore potential archaeological deposits near or at surface.

Ethnographic sources and information held by the Stillaguamish Tribe record the project as within a common wetland resource and in close proximity to known trails and lodging. An ethnographically placed longhouse to the west-northwest of the project and archaeological site 45SN26 are evidence of the long term use and habitation of the project vicinity’s landscape. The presence of 51<sup>st</sup> Avenue and 152<sup>nd</sup> Street is recorded on the earliest maps in 1910 and historic aerials indicate the project location has been maintained as farmland since 1954 or earlier. Landscape alterations have included the construction of the Marysville and Northern Railroad and subsequent conversion to 59<sup>th</sup> Avenue; the construction of the Northern Pacific Railroad line; and the mid-20<sup>th</sup> century drainage ditches used to re-route water through the project location. In addition, several domestic and agricultural buildings have been constructed and removed throughout the project location.

Manifestations of the precontact and ethnohistoric record that may be present within the project location could include evidence of activities such as procurement and processing of plant, animal, and/or mineral resources, overland travel, or temporary camps, as well as ceremonial or religious activities that may be represented by an array of deposits or materials such as fire-modified rock, lithic or bone tools or implements, basketry, or lithic waste flake scatters that likely resulted from human activity around the periphery of more permanent settlements in the vicinity. Historic-period archaeological materials may be associated with historic-era logging, domestic structures and activities, farming and agricultural activities, and/or transportation

development and could consist of a variety of materials including foundations, construction debris lost or discarded tools or debris, lost or broken materials associated with domestic and agricultural activities, remains of domesticated animals, and/or sanitary cans or other food waste materials.

#### **4.0 Field Investigations**

Total Area Examined: The entire project (360 acres).

Date(s) of Survey: September 2-4, 8-11, 18, 21-23, 25, 28-30; October 2, 12-14, 16, 19-23, 26-30, November 2-4, 9-13, 16-20, 30; and December 1-4, and 7-8, 2020.

Weather and Surface Visibility: Weather variable from mid to upper 80s and humid to the lower 40s and raining. Wildfires in September caused smoke cover during three field days and closed down fieldwork for four days. Mineral soil visibility was generally poor at 0-5 percent visibility due to hay grass cover with the exception of approximately 87 acres of harvested grains and tillage. This included: parcel 31052700100300 [B] at 90 percent visibility due to ponding and some mosses; parcel 31052700400300 (H), at approximately 50 percent visibility due to alternating rows of grass coverage; and the south third of parcel 31052700300700 (E), south two-thirds of parcel 31052700300900 (G), and all of parcel 31052700300800 (F) which had 85 percent visibility due to small weeds and brush remains.

Field Methodology: Fieldwork consisted of pedestrian surface survey and excavation of shovel test probes. Due to the limited visibility, a majority of the surface survey was conducted in route to each probe location targeting areas of visible surface sediments for the purpose of identifying any aboveground evidence of cultural resources. Approximately 87 acres were surveyed as winding, walking transects due to increased visibility. Parcels B, E, F, and G were surveyed using 5 meter wide winding transects. Parcel H was surveyed using 20 m wide compacted s-wave transects due to the alternating and limiting patterns of visibility.

A survey grid was created in advance of fieldwork to better assess and control progress, with shovel test probes (Probes) placed at 40 meter intervals. Transects were located using this grid as saved to a handheld GPS unit. Probes in each transect were identified using compasses and pacing with regular accuracy checks. Occasional errors produced by terrain or compass anomalies were updated to the map and corrected for in later probes. Each probe measured 40 centimeters (cm) in diameter and was manually excavated with a shovel to assess potential for subsurface archaeological sites within the project. Probes were excavated to a maximum depth of 100 cm below the surface, or 20 cm into intact glacial materials, whichever was shallower. An exception was made for probes in which the soil deposition could not be identified. In such locations a 10 cm bucket auger was employed to extend the probe until intact glacial sediment was encountered or identified, or until obstructions terminated excavations, to a maximum depth of 150 cm, or the length of the tool. Sediments were passed through ¼-inch hardware mesh to screen for artifacts.

Fieldwork Conducted By: Jessica Gardner, Ian Kretzler, David Carlson, Lizzie Fellars, Susan Larson, Breann Stoner, and Erik Anderson. Assistance provided by Sam Barr and Bea Franke of the Stillaguamish Tribe of Indians. Notes are on file with CRC.

## 5.0 Results and Recommendations

### 5.1 Investigation Results

Archaeological Investigations: Surface survey of the project was conducted to observe the conditions within the project and to gauge the nature and likelihood for the project to contain as-yet unrecorded cultural deposits. The project location can be described as generally flat agricultural fields predominantly covered in hay grasses with patches of Himalayan blackberries, canary grass, belladonna, and lone deciduous trees (Figure 8). Exceptions to this included approximately 18.5 acres of harvested corn (Figure 9), 42.4 acres of harvested wheat (Figure 10), 26 acres of tilled and fallow land (Figure 11), and 9-10 acres of unmaintained wetlands which are predominantly covered in canary grasses and blackberry thickets (Figure 12). The corn was harvested in October, allowing access for surface and subsurface survey work. The pedestrian survey of the wheat field was completed in sections. Field delays allowed grasses to grow quickly that obscured greater portions of the southern half of the parcel by the time they were surveyed. Approximately 3.7 acres on the west edge of Parcel A are occupied by a man-made reservoir shaped by push-piles and lined in quarry rock (Figure 12). A beaver dam on a corner of the Edgecomb Creek ditch causes the pond to stay filled (Figure 13). This area was considered inaccessible.

The surface survey identified two historic properties, one precontact isolate, and five historic era archaeological sites. The historic Edgecomb Creek ditch cuts through the project from the northeast corner of Parcel A to the southeast corner of Parcel M with a feeder ditch on the north side of Parcel A and two overflow channels flowing west through Parcels D and L (Figure 14 and 15). The main ditch is approximately 2.15 miles long and is recorded below as DAHP Property ID #100155. A 1943 house and late addition barn were observed and recorded in the northwest corner of Parcel M as the updated DAHP Property ID #228885. A survey of the harvested corn field in Parcel B located one precontact flake, recorded as an isolate (45SN774). The likely remains of the Marysville and Northern Railroad berm and 59<sup>th</sup> Avenue road grade were identified on the western edge of Edgecomb Creek on the western borders of Parcel B and H, and the eastern borders of Parcels C, E, and F, and recorded as site 45SN775. Surveys of Parcels C, J, L, and M located four historic era building foundations, recorded as 45SN776, 45SN778, 45SN779, and 45SN780.



Figure 8. Representative image of hay fields in project. Taken from Probe 36, just east of the Edgecomb Creek feeder creek ditch in Parcel A; View to the southwest.



Figure 9. Representative image of project terrain showing harvested corn fields with ponding along Edgecomb Creek. Taken from just west of Probe 221 in the northwest corner of Parcel B; View to the east.



Figure 10. Representative image of project terrain showing mid-survey conditions of hay field. Taken from the vicinity of Probe 298; View to the southwest.



Figure 11. Representative image of project terrain in the fallow field. Taken from the vicinity of Probe 545; View to the west.





Figure 12. Representative image of berm surrounding man-made pond. Taken from south edge of pond in vicinity of Probe 132; View to the west.



Figure 13. Image of beaver dam on Edgecomb Creek. Taken from vicinity of Probe 128; View to the northwest.



Figure 14. Satellite image of project location annotated with project boundaries (red); isolate 2006G-2; Edgecomb Creek (yellow) and overflow ditches (orange); and historic structures, foundations, and road berm (white) locations; and modern transportation routes. Man-made pond in Parcel A annotated in blue.



Subsurface investigations included the completion of 862 probes set in a 40 meter by 40 meter grid (Figure 15-18; Attachment B). There were 19 potential probe location not excavated due to existing utilities, standing water, or coverage by a prior survey. An additional 16 probes were added as delineations for identified isolates or potential subsurface features, as detailed below. Delineations are a set of four units, each placed in a cardinal direction at a distance of 5 m from a positive probe. These units help to define the nature and/or extent of the cultural material or feature being investigated.



Figure 15. Satellite image of portion of project location annotated with subsurface survey grid of Probes 1 through 233, including skipped units (triangles), starting at the northeast corner of project location.



Figure 16. Satellite image of portion of project location annotated with subsurface survey grid of Probes 234 through 407, including skipped units (triangles) and isolates (squares).





Figure 17. Satellite image of portion of project location annotated with subsurface survey grid of Probes 408 through 767, including skipped probes (triangles), isolates (squares) and a natural gas line (gray).



Figure 18. Satellite image of portion of project location annotated with subsurface survey grid of Probes 768 through 881, including skipped probes (triangles) and a natural gas line (gray) ending at the south end of project location.



Soils varied widely across the project location from deep sand deposits to compacted sandy clay and clayey sands (Figure 19). However, a typical soil deposition profile can be described as approximately 30 cm of plow zone above potential alluvial or wetland deposits above weathered glacial, with the depth of alluvial deposits varying from very shallow (i.e., approximately 35 cm below the surface [bs]) to substantial (approximately 130 cmbs). Depositional environments were estimated based on overall site topography and stratigraphy when compared with soil descriptions provided by the NRCS (1983, 2020). Analysis of the deposition indicates some depressions existed in Parcel A before being filled, likely for agricultural usage. Sediments used as fill appear to be a mix of local alluvial and glacial materials (Figure 20).



Figure 19. Representative images of soil profile variations as seen in Probe 301 (left) and Probe 409 (right).





Figure 20. Representative image of filled depression.  
Profile image of Probe 215.

Recent or non-diagnostic historic era cultural materials were observed in several probes throughout the site, generally in a disturbed context. A majority of materials were observed within the upper 35 cm, being the plow zone, or within obvious trenching. Materials included terra cotta pipe sherds located in units in the northeast pasture of Parcel A (Figure 21); isolated lithics in Probe 270 in Parcel H (45SN773) and probe 600 in Parcel D (45SN777), documented below; white glaze porcelain and glass shards in Parcel J; clay pigeon fragments in Parcel H; and orange twine, plastic shards and wrappers, rusted/corroded metal, and clear or brown container shards throughout the project. Probes placed in the northeast and northwest corners of Parcel A contained some construction debris or compacted imported gravels. While structures have been mapped in these locations, the probes lacked the intact context or temporally diagnostic materials to make any associations. Similarly, Probe 351 in Parcel H was located in close proximity to the Marysville and Northern berm and site 45SN776, and historic aerial imagery indicates some land alterations occurred historically. It contained a black plastic sheet fragment with a surface raised by fill, but also lacked temporally diagnostic context or materials to make a historical association. Concrete chunks were observed in Parcel A, L, and M, generally in locations close to documented or current structures. Occasional charcoal lenses were also seen and were considered likely to be root burn or temporally non-diagnostic debris fires.



Figure 21. Satellite image of project location annotated with discussed probes 053, 267, 270, 436, and 600.

An intact portion of terra cotta pipe was observed in Probe 53 in the northeast pasture of Parcel A. The pipe was approximately 6 inches in diameter and is estimated to have .5 inch thick walls based on associated shards. It was located 45 cmbs in what appeared to be a v shaped trench laid in a west to east decline (Figure 22). Given the number of shards located throughout the pasture, the pipe is considered part of a gridded drainage system and no delineations were added.



Figure 22. Profile image of Probe 053 showing in situ terra cotta drainage pipe. Bell end pointed west.

A potential thermal feature was observed in Probe 436 in Parcel D. It can be described as a semi-cylindrical depression lined and mixed with charcoal (Figure 23, see Figure 21). It was located below a 35 cm deep plow zone and measured approximately 40 cm deep by 20 cm wide. A potential burnt bone, possibly avian, was located in the top 5 cm of the plow zone. Delineations were placed around this unit to better identify the nature and context of the potential feature. No other cultural materials, diagnostic or otherwise, were observed in the potential feature or surrounding delineations. No evidence was found to confirm that it was a cultural feature.



Figure 23. Profile image of Probe 436 showing charcoal flecking.

All cultural material was described in field notes with representative photos taken of temporally non-diagnostic materials. Isolate materials were documented, photographed, and bagged individually before donation to the Stillaguamish Tribe of Indians for curation. Probes were backfilled following documentation.

## 5.2 Cultural Resources Identified

### 5.2.1 Physical Descriptions

Archaeological Sites and Isolates: Subsurface and surface surveys identified three precontact isolates (45SN773, 45SN774 and 45SN777), one berm associated with the Marysville and Northern Railroad and later 59<sup>th</sup> Avenue roadbed (45SN775), and four historic structure foundations (45SN776, 45SN778, 45SN779, 45SN780) (Attachment C).

*45SN773:* This is a lithic isolate consisting of one fine-grained volcanic biface located within 10 cm of the surface, within the 30 cm deep plow zone. It is located within historically mapped marshland. Delineations spaced at 5 m were negative for cultural materials. The location is approximately 120 m west of another lithic isolate, 2006G-2 described below. The artifact is a single, broken biface tip made of black/very dark gray fine-grained volcanic rock. The biface appears to be in mid-form, with evidence of pressure flaking on the edges, and a sharp break in the body. It measures 3.9 cm long by 3.1 cm wide and .7 cm thick (Figure 24).



Figure 24. Image of posterior aspect of broken biface from Probe 270/ Site 2006G-1.

*45SN774*: This is an isolate described as one fine-grained volcanic flake located on the ground surface. Lithic was located in active agricultural fields, and may have originated from as deep as the base of the plow zone. Delineations spaced at 5 m were negative for cultural materials. The location is approximately 120 m east of lithic isolate 2006G-1 described above. The lithic artifact is a single flake made of black/dark gray fine grained volcanic rock. Flake appears to be a tertiary/reduction flake with several flake scars on the dorsal. The flake is broken on the lateral, distal end. It measures 3.2 cm long by 1.8 cm wide, by .2 cm thick (Figure 25).





Figure 25. Image of posterior aspect of flake from Probe 267/ Site 2006G-2.

*45SN777*: This is a lithic isolate consisting of one reduction flake, made of fine-grained blue/green-gray volcanic rock with a quartz seam. The flake was observed within 15 cm of the surface, within the 30 cm deep plow zone. Site is located within historically mapped marshland and situated on a slight rise above a local depression. Delineations spaced at 5 m were negative for cultural materials. The artifact is a single flake of greenish/bluish gray volcanic rock with a quartz seam. Flake appears to be tertiary/reduction flake. It measures 2.9 cm long by 1.8 cm wide, by .5 cm thick (Figure 26).





Figure 26. Image of posterior aspect of flake from Probe 600/ Site 2006G-3.

45SN775: The site is identified as a 12 foot wide compacted berm likely associated with platted 59th Avenue (Figure 27 and 28). Review of historical maps indicates it may also be associated with the previous Marysville and North Railroad Grade. The berm is located adjacent to the historic Edgecomb Creek ditch to the east, which cuts through the southern half before flowing west. A probe (383) placed on the western toe slope of the berm encountered burnt wood chunks in displaced/imported fill materials above intact, relict topsoil. The documented berm is approximately 2,621 ft long.



Figure 27. Satellite image annotated with observed and documented berm (white), Edgecomb Creek (yellow) and Probe 383.



Figure 28. Representative image of site condition. Overview of south end of berm; View to the southwest.

45SN776: Site is described as an approximately 12 m by 52 m (~40 ft x ~170 ft) area of concrete pad and field debris. This area is unmaintained and was covered at time of inspection with

grasses, Himalayan blackberry, and mosses, limiting full analysis of concrete pad (Figure 29). Observed debris consisted of two piles of fence posts with electric fence insulators still attached. Insulators included white ceramic and black plastic styles. Site is approached from the southeast and east-northeast by farm roads formed with imported gravels in disturbed sediments. Dating of the site is limited to available historic aerial images (NETR 2020). Available images are intermittently available and generally of low quality, limiting overall analysis. The earliest image available was taken in 1954, showing a structure in a similar location to the site. A structure appears irregularly through 1990. The parcel on which it sits was owned by Lucien Roth until his death in 1957 and was sold to the Steiner family in 1958 (Gardner and Berger 2020). As the building was present in 1954 historic aerial imagery, it is likely it was built by Lucien Roth, who owned the property by 1927 (Metsker 1927).



Figure 29. Overview of site 2006G-4. Taken from southwest corner; View to the east-northeast.

The site is defined through the presence of a concrete pad and historic aerial imagery. While fence posts with ceramic insulators are present on the site, these are likely displaced and unrelated to the original function of the site and therefore do not contribute to the age of the site.

**45SN778:** This site consists of a concrete slab and associated debris (Figure 30). This debris includes a Clayton steam boiler, model K-2509; a large [propane] tank; a concrete tank/vault; and a push-pile of concrete debris. A concrete ring was also observed near the southwest edge of the concrete slab. The ring had been filled with wood and metal debris and appeared to have a partially broken rim. Unfortunately, the ring was covered in vegetation hindering further investigation. Five shovel probe locations near the site contained domestic debris but were negative for temporally diagnostic materials. These probes extended to the southeast of the concrete pad in the vicinity of the now-removed house. Dating of the site is attributed through



historic aerial imagery, topographic maps, and county atlases (Historic Mapworks 2020; NETR 2020; NGMDB 2020). Historic aerial imagery suggested the slab is in the location of the original barn, with an associated house located to the southeast and closer to the center of the parcel. Historic maps and atlases indicated a homestead was built on the property by 1910, possibly by Israel Norberg who owned the property by that time (Anderson 1910). The Norberg family held the property through 1960 (Kroll 1960). The barn location was not added to maps until 1969 when a 1956 map was updated through photo revision, though the barn was present in 1954 on the earliest available historic aerial imagery (NETR 2020; USGS 1956). Historic aerial imagery showed the house and barn were demolished between 1990 and 2005 (Google 2020; NETR 2020). Remnants of the house site appeared to be left in situ through 2013. By 2015 the house site was indistinguishable from the surrounding fields, suggesting the remains were likely removed and possibly added to the barn site by this time (NETR 2020).



Figure 30. Satellite image of portion of project location, annotated with site 2006G-5 location (white), concrete slab (orange), Edgecomb Creek (yellow), and probes containing domestic debris (squares). Probe 708 was located on relict driveway. Site located at center west edge of Parcel J.

The site is primarily dated through historic imagery and maps. Materials associated with the site are supplemental but generally lack temporally diagnostic markings, save the steam boiler. The steam boiler is a Clayton Model K-2509 (Figure 31). Clayton Industries has been producing steam boilers since 1930, though a date for this model has yet to be identified (Clayton Industries 2020). A large tank for gas or liquid was also observed on site, possibly associated with steam boiler use. A large concrete vault and associated partial lid, measuring 4 feet wide by 5 feet long and 3 feet tall, was also left askew on the concrete pad. Gravels associated with the driveway were observed in probe 708 to the south of the southwest corner. Materials observed in the

remaining probes were observed in the upper 20 cm and included: mammal bone fragments, window pane shards, aqua container glass shard, white ceramic and/or porcelain shards, and a piece of metal.



Figure 31. Image of Clayton steam boiler Model K-2509.

*45SN779*: Site is described as a set of concrete foundational slabs and sills associated with a mid to late twentieth century barn (Figure 32). Site is dated through historic aerial imagery (NETR 2020). Historic aerial imagery is available sporadically and may be of low quality, limiting exact dating of the structure. Available images indicated the barn was built between 1954 and 1969. A second smaller barn was built to the west between 1969 and 1980. The main barn was demolished between 2006 and 2009.



Figure 32. Satellite image of portion of project location annotated with Site 2006G-6 location (white), Edgcomb Creek (yellow), and modern road name. Site is in southeast corner of Parcel L.

The site is determined through the concrete foundational remains of the barn. These remains can be described as a series of rows oriented north to south consisting of concrete slabs with 6 inch wide by 12 and 24 inch tall sill barriers. Starting from the center of the site: a 28 feet wide aisle of fill dirt and weeds occupies the central row bound by 24 inch tall sills and narrow, 2 ft wide walkways edged in 12 inch tall sills. Approximately 28 ft wide concrete slabs create rows to each side, with 12 inch tall sills running down the center and exterior of the slabs. The foundation is approximately 100 ft by 100 ft overall with concrete slab pathways extending ~45 ft to the south.

*45SN780*: This site is defined by the visible remaining foundation and concrete pads (Figure 33). Heavy vegetation obscured several foundation sills, indicating others may be present to which we did not have access. This is represented by the potential buffer zone on the provided sketch map. The site is located at the northeast corner of parcel M and was partially documented as DAHP Property ID #228885 during the 2011 HPI Upload (ACI al 2011), which used available assessor descriptions to create historic property inventories for properties 50 years old or more. At the time, the assessor described the property as a single story 1934 house with associated residential detached garage, barn, and wood pole frame utility building. In comparing this information with available historic aerial imagery, it is likely the current site refers to the barn and wood pole framed utility building, the house and garage being located to the north northwest within the noted potential buffer zone. According to historic aerial imagery, the structures were demolished between 2006 and 2009 (NETR 2020). Based on available ownership records it is



likely these were built and owned by the Klein family, who sold the property in 1980 (Kroll 1934, 1943; SC Auditor 2020).



Figure 33. Satellite image of portion of project location annotated with: Site 2006G-7 boundary (white), foundations (red), and buffer zone (orange); Edgcomb Creek (yellow); and modern transportation routes. Site is in northeast corner of Parcel M.

The site is defined by the visible remains of concrete pads and foundational sills and slabs associated with historic outbuildings. For the purposes of simplicity the northeastern foundation will be referred to as a “utility building” and the west foundations as a “barn.” These are placeholders due to lack of clarity in building purposes. These foundations are surrounded by a concrete pad/yard which fills in the remaining areas of the site. The “utility building” measures approximately 80 ft long north to south by 36 ft wide east to west. It is partially surrounded by a poured concrete foundational sill measuring 34 inches tall by 6 inches wide. The north sill appears to be partially broken, limiting the known entry way. A 12 ft wide cut in the south sill indicates a door likely stood here and a narrow cut in the south end of the west sill indicates a single wide entrance was located here. The floor of the “utility barn” is a thick concrete slab with two trenches cut through it north to south. The “barn” measures approximately 80 ft east to west by at least 65 ft north to south. It appears to be made of a series of concrete slabs with short (~8 inch tall) sills forming various long rectangular compartments. Northern and southern sill walls appear to have been built up partially with cinder block walls; however, much of these have been removed/dismantled or are covered in thick blackberry thickets. Given the shallow nature of the sills, many of them have been covered over in dirt and vegetation, minimizing plan analysis. An 18 ft wide (east to west) by 65 ft long (north to south) concrete pad extends west from the barn.

Historic Inventory Properties: Background research and surface survey identified the historic Edgecomb Creek ditch (DAHP Property ID #100155) and a 1943 house (DAHP Property ID #228885) within the project location (Attachment D).

*DAHP Property #100155:* The property refers to the historic ditch used to route Edgecomb Creek from the north side and northeast corners of Tax Parcel A to the southeast corner of said parcel, south along the historic 59<sup>th</sup> Ave ROW (not a legal parcel), west along the southern edge of Parcel C, turning south at the southeast corner to continue along the east edge of Parcel D and the west edge of Parcel G, continuing south through the narrow Parcel K, crossing 152<sup>nd</sup> Street NE, and continuing south-southwest through the eastern edge of Parcel M before crossing under the BNSF rail grade (Figure 34). The ditch is approximately 9 feet wide at the top and approximately 5 feet deep, however this varies locally where dams or corners are encountered. While it appears to be trapezoidal in shape with relatively steep sides, the sides are swathed in canary grass with some Himalayan blackberry, trailing blackberry, and belladonna, which limited access and assessment. The top of the ditch is generally flush with surrounding fields (Figure 35). Local shovel probes indicate the excavated sediment was likely spread out and worked into the surrounding area. An exception to this is within the 59<sup>th</sup> Ave ROW, on the western edge of Parcel B and the north half of the western edge of Parcel H. Here, a raised farm road exists along the east edge of the ditch and the historic 59<sup>th</sup> Avenue/Marysville and Northern Railroad berm/railbed (described above) runs along the west edge. The ditch cuts west through the berm into Parcel C, indicating the berm may be older, and possibly in disuse, by the time the ditch was excavated or later maintenance was completed. At least five culverts have been added to the ditch, including one crossing under 152<sup>nd</sup> Street. Two overflow drainage creeks have been added to the west, connecting with Westphal Creek running along the east side of 51<sup>st</sup> Avenue. The northern of the overflow creeks runs underground from Edgecomb Creek at the northwest corner of Parcel G, heading directly west. The drainage route becomes exposed approximately 750 ft later and continues west along the northern parcel line of Parcel D. The southern overflow creek connects with Edgecomb Creek approximately 555 ft north of 152<sup>nd</sup> Street NE. It starts out as a wide marshy backwater before entering a shallow channel which slowly becomes deeper as it approaches 51<sup>st</sup> Avenue and connects with Westphal Creek. The overflow creek is crossed by two culverts, one on each end, with the western culvert coinciding with the path of a natural gas line. At least two beaver dams have been built along the creek route, on the west side of Parcel A, which have caused flooding/ponding in the vicinity. A series of french drains were observed in the northeastern pasture of Parcel A and lines of dark vegetation suggest similar improvements in other pastures/Parcels along the route.



Figure 34. Satellite image of project location annotated with project boundary (red) Edgecomb Creek (yellow), overflow creek (orange), natural gas line (gray), and transportation routes.



Figure 35. Representative image of Edgecomb Creek ditch showing creek at northwest corner of Parcel J. Taken from vicinity of Probe 642; View to the north.



*DAHP Property #228885:* The structure at 5414 152nd St is a single story potentially altered Minimal Traditional style house with attached garage and associated outbuildings (Figure 36). The county assessor dates the house to 1943. The house was built on a poured concrete foundation with the detached garage sitting on a slab foundation. The house with garage is generally rectangular in shape with a recessed front door, center to the west face of the house, and measures approximately 80 ft by 36 ft. The gable roof ends in deep hip returns, boxed cornices, and close verges with molded trim. A gable dormer projects over the north end of the west face of the house and the west face of the attached garage. Both are flush with the western face of corresponding structure. The roof is covered in composite asphalt shingles with a pattern that suggests it has likely been replaced in the last 30 years. A chimney rises south of center of the house and east of the central ridge. It is clad in cut stone with a broken course pattern and is likely a decoratively wide single chimney.



Figure 36. West elevation of house at northwest corner of 5414 152nd St NE. View to the northeast.

The house is clad in clapboard siding with a decorative façade on the western face of cut stone laid in a broken course. The pattern and materials match those used on the chimney. The apex of each dormer is clad in stucco. A broken piece of clapboard siding on the eastern face shows the clapboard planks sitting on floating rails above paper and planks. The planks are rather thick, set in a shiplap cut, and appear to have been treated externally. A plaster-like material can be seen underneath. It is possible the house exterior has been re-clad with the new materials overlying the old. The southeast corner of the structure has recently been altered and is clad in untreated panel board. The assessor's plans of the house indicate this corner used to be a canopy on a concrete pad.

Fenestrations are steel framed and single pane thick with a typical format of a fixed window paired with a sliding sash and no trim. Windows on the west face of the house were given a slipsill of matching cut stone to blend with the façade. Variations include larger fixed windows with a sliding sash to each side (living room) or a single fixed picture window (kitchen/dinette). Two small hexagonal windows with six triangular panes are set in the west face, just north of the main door. The structure is entered via the double wide, solid form, lifting garage door on the west face; a sliding glass door at the east side of the southeast corner of the garage; and via the main door on the west face of the house.

The house is surrounded by property improvements including a small orchard to the north, a chicken coop/dog run to the east northeast, a small shed to the east, and a barn to the southeast. The barn and orchard were added between 1969 and 1980, according to historic aerials, and therefore are listed with the house. The shed and runs are more recent additions.

The orchard consists of three fruit trees set in a row between the house and 152<sup>nd</sup> Street (Figure 37). The barn is a rectangular timber framed structure measuring approximately 64 ft by 32 ft (Figure 38). It appears to have been built on a slab foundation. It has a gable roof with a dilapidated covering of wood sheets, asphalt shingles, and tarps. The walls are clad in panel board with clear or tinted corrugated plastic sheeting under the eaves. The walls are set with two to four fenestrations of steel framed sliding double sashed windows framed by false green wooden shutters to each side. There are three entrances to the barn. A paired set of swinging doors provides entrance to the west face of the barn while two single wide swinging doors are located at the corners of the east face. A single wide door provides entry to the loft on the east face. All doors appear to be timber framed and clad in panel board. Interior construction indicates the barn was a mixed use structure with stalling for various types of farm animals.





Figure 37. Image of orchard at northwest corner of 5414 152nd ST NE. Taken at northwest corner of property; View to the east.



Figure 38. North Elevation of barn at 5414 152nd St NE; View to the south.

### 5.2.2 Evaluation of Significance

Eligibility Criteria: These structures were evaluated for their significance based on criteria for listing on the NRHP and the Washington Heritage Register (WHR). According to NRHP assessment criteria developed by the National Park Service (NPS), historical significance is conveyed by properties:

- A. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- B. That are associated with the lives of persons significant in our past; or
- C. That embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. That have yielded, or may be likely to yield, information important in prehistory or history [NPS 2002:2].

According to the NRHP guidelines, the “essential physical features” of a property must be intact for it to convey its significance, and the resource must retain its integrity, or “the ability of a property to convey its significance” (NPS 2002:44). The seven aspects of integrity are:

- Location (the place where the historic property was constructed or the place where the historic event occurred);
- Design (the combination of elements that create the form, plan, space, structure, and style of a property);
- Setting (the physical environment of a historic property);
- Materials (the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property);
- Workmanship (the physical evidence of the crafts of a particular culture or people during any given period of history or prehistory);
- Feeling (a property's expression of the aesthetic or historic sense of a particular period of time); and
- Association (the direct link between an important historic event or person and a historic property) [NPS 2002:44].

Criteria used for assessment of potential eligibility for the Washington Heritage Register (WHR) are similar to NRHP criteria. Criteria to qualify include:

- A building, site, structure or object must be at least 50 years old. If newer, the resource should have documented exceptional significance.
- The resource should have a high to medium level of integrity, i.e. it should retain important character defining features from its historic period of construction.
- The resource should have documented historical significance at the local, state or federal level. [DAHPP 2019b:1]

Archaeological Resources: The three archaeological isolates (45SN773, 45SN774, and 45SN777) meet the 50 year age threshold but do not appear to meet any other criteria for listing on the NRHP or WHR. They lack demonstrable association with significant events or patterns of events, association with significant persons, any distinct design features or indications that they are the work of a master, or potential to contribute to our knowledge of prehistory due to the limited information that can be obtained from them.

*45SN775:* This segment of the M&N RR grade appears to have diminished integrity. The removal of railroad materials and further alteration of the berm for use as a dirt road has greatly reduced the integrity of design, materials, and workmanship. The addition of the Edgecomb

Creek drainage ditch (Property ID 100155) and altered path for the (current) BNSF railroad have altered the integrity of feeling and setting. The property lacks known association with a significant historical person or event. Of the seven aspects, the berm likely retains integrity of location.

This resource was evaluated for significance based on NRHP criteria. Regarding Criterion A, the M&N RR can be associated with the development of regional rail commerce in Snohomish County; however, this segment can no longer be associated with this development due to the removal of all railroad elements aside from the berm which may have been altered for use as a road. This segment was also platted as 59th Avenue, which can be connected with intended development of the Arlington area; however, the roadbed appears to be unimproved and lacks further connection with this intention. As regards Criterion B, there are no known significant historical persons associated with this segment of M&N RR and platted 59th Ave that would make it eligible under this criterion. Regarding Criterion C, the berm or grade is the only remaining feature of the potential railroad and local dirt road. This feature does not convey elements that would be distinctive in design or period of construction. Finally, as regards Criterion D, a review of the length of the berm suggests features aside from the grade prism or associated artifacts that could contribute information to the historic narrative of the M&N RR or 59th Ave are absent. According to the defined criteria, this segment of the M&N RR and the 59th Ave road berm does not meet criteria of eligibility for listing on historic registers, other than the age threshold.

*45SN776:* The site relates to a concrete slab whose general age and purpose are currently unknown. Documentation for the site is limited to historic aerial imagery which is available beginning in 1954. This imagery connected the structure to historic 59th Ave (Resource ID #704196) via a driveway. The road was abandoned by 1969 and subsequent images are intermittently available (NETR 2020). It is unclear when the structure was demolished. The demolition of the structure and removal of debris has minimized the integrity of design, feeling, materials, and workmanship. The poor condition of the slab provides minimal integrity of association with historic persons, patterns, or events. Of the seven aspects, only setting and location remain largely intact.

The site was evaluated for significance based on NRHP criteria. As regards Criterion A, the site is on lands which were operated as a dairy farm which contributed to the broader pattern of dairy farming in the Arlington/Marysville area. The site is of indeterminate use and poor condition, which limits the integrity of this association. Regarding Criterion B, the site is associated with dairy farmer Lucien Roth, however, the poor condition of the site limits the integrity of the association. For Criterion C, the concrete slab is of minimal design and material. The site lacks distinctive characteristics which could relate to the design or period of construction of the original structure. Finally, as regards to Criterion D, a review of the site did not identify additional remains beyond the slab which would contribute as yet unknown information concerning the historic construction or use of the site. The site is therefore recommended not eligible for listing on historic registers under these criteria.

*45SN778:* The slab relates to a previous barn as identified through historic aeriels. Demolition of the barn and subsequent clearing of debris has diminished the integrity of feeling, design,

materials, setting, and workmanship. While the barn slab retains integrity of location, materials piled on the slab lack integrity of location and context. This lack of context further minimizes the integrity of association with its historic construction and usage.

The site relates to the remaining foundational slab associated with the barn owned by the Norberg family, who ran a dairy farm from the property (Anderson 1910; Kroll 1960; Nicoles Funeral Home 2017). The site was evaluated for significance based on the NRHP Criteria. As regards Criterion A, the property was run as a dairy farm which relates to the broader pattern of dairy farming in the Arlington/Marysville area. However, the slab is in poor condition with limited remaining characteristics related to that enterprise. Regarding Criterion B, the site is related to the Norberg family, who owned the parcel from c 1910 through 1960. However, the general deterioration of the site limits any relatable features to the family or the farm operation. As relates to Criterion C, the foundational slab is all that remains of the original structure in situ. The remaining materials lack any distinctive elements or characteristics that relate to the construction period or design. Regarding Criterion D, the remaining slab materials are unlikely to convey any as of yet unknown information concerning historic construction or usage patterns. As defined, the site does not meet the criteria for eligibility, aside for age, and is recommended not eligible for listing on historic registers.

*45SN779:* This site refers to a set of poured concrete foundations built between 1954 and 1969. They are in moderate to poor condition; however, the demolition of the original structures has diminished the integrity of the design, feeling, materials, and workmanship. The continued construction and demolition associated with adjacent buildings has diminished the integrity of setting. The site has no known association with an historic event or person. The foundations maintain integrity of location. Based on these conditions, the site is considered to have low integrity.

The resource was evaluated for significance based on NRHP criteria. For Criterion A, based on the design of the foundation, it is likely the structure was built as a dairy/livestock barn typical of broader pattern of dairy farming in the Arlington/Marysville area and does not contribute significantly to this pattern. Regarding Criterion B, the structure is of unknown build date and cannot be attributed to any specific historic person(s). As relates to Criterion C, the foundation is in moderate to poor condition with many sill and slab features left in situ. However, these features appear to be relatively common for mid-century dairy barns and lack distinctive characteristics. Regarding Criterion D, a review of the site did not reveal materials beyond the poured cement foundation which would provide as of yet unknown information concerning historic methods or events. As defined by these criteria, the site is recommended not eligible for listing on historic registers.

*45SN780:* The site is defined by the foundational remains of agricultural buildings which have been dismantled in the recent past. These remains are in moderate to poor condition and have lost the integrity of design, feeling, materials, and workmanship. The removal of the surrounding buildings has contributed to the diminished integrity of setting. While the buildings were likely used by the Klein family, the construction could not be directly linked and the lacks integrity of association. The site maintains integrity of location. Under these conditions, the site is considered to have poor integrity.

The foundations were evaluated for significance based on NRHP criteria. Regarding Criterion A, the foundations are associated with the Klein dairy farm which fits in the broader pattern of dairy farming in the Arlington/Marysville area; however, the foundations lack integrity and can no longer be linked with that function. As regard Criterion B, the farm was run by the Klein family c. 1943-1980, however, an initial date of ownership could not be found to directly link construction to the family, limiting the association. Regarding Criterion C, the foundation remains are in poor condition and lack any distinctive characteristic of a construction period or design. Finally, regarding Criterion D, the site is in poor condition and is restricted to the cement foundation and pad. It is not likely these materials will contain significant historical information. As defined by the criteria, this site is recommended not eligible for listing on historic registers.

Historic Inventory Properties: The two historic properties were evaluated for significance using the NRHP and WHR criteria.

*DAHP Property #100155:* An analysis of the provenance and integrity through historic documentation and field investigation is as follows. An 1875 Cadastral Survey of Township 31 North, Range 05 East depicted the property location as a marshlands fed by a creek in the northeast corner, near the upper end of the creek (USSG 1875). A USGS map produced in 1956 provides the earliest topographic depiction of the creek (NGMDB 2020; USGS 1956). The main creek route does not appear to have changed since 1956, however, historic aerial imagery indicates two overflow creeks described below were added by 1998 and possibly as early as the 1970s (NETR 2020). Further confirmation is limited due to the narrow width of the creek, it's location along parcel and pasture lines, and the varying quality of the available images. A local farmer has suggested the creek was added in the early 1900s as part of a water district, but this researcher has not been able to find documentation. While the main ditch runs along its historic pathways, overflow lines have been added or altered during the history of the creek. A few local pastures are drained by french drains with materials and drainage lines found during an associated survey. Materials varied from ceramic piping shards identified at shallow depths (up to 1.5 ft below the surface) and deeper, modern plastic corrugated drains (3-4 ft below the surface). These suggest routine improvements along the creek route and it is likely the creek has been dredged as routine maintenance.

Background research has not identified an association with a significant historic event (Criterion A) or person (Criterion B). Furthermore, the ditch serves as a drainage route, is fairly common, and lacks any distinctive characteristics of design or period of construction (Criterion C). It is unlikely to provide any important historical information (Criterion D). Later improvements have altered the design, feeling, setting, and workmanship of the creek and no association with historic event or person has been identified. The creek is made from local materials but has likely been dredged several times, diminishing the integrity of materials. It serves the purpose of draining the wetland depression for use as agricultural fields, maintaining the integrity of setting and location. Based on the defined criteria, the Edgecomb Creek ditch is recommended not eligible for listing on historic registers.

*DAHP Property #228885:* An analysis of the provenance and integrity through historic documentation and field investigation is as follows. The parcel was patented to William



Westhaver in 1890, who retained the property through 1910 (Anderson 1910; BLM 2020). By 1910 a structure was mapped at the center of the property. By 1927 the property was owned by O. Drange before transferring to the 1st National Bank of Everett by 1934 (Kroll 1934; Metsker 1927). The property was sold to John and Winifred Klein by 1943, who owned it till 1980 when they sold it to the Brutus Associates (Kroll 1943, 1960; SC Auditor 2020). Structures were noted: at the south-southeast corner of the property, near the BNSF railroad between 1910 and 1969; in the northeast corner between 1956 and 2006; and in the northwest corner between 1969 and 2020 (Anderson 1910; NETR 2020; USGS 1956). In 2011 the HPI Upload recorded a structure on the property from 1934 with detached garage and outbuildings (ACI et al 2011). That description closely matches the structural complex visible in historic aerial images of the northeast corner, which was demolished between 2006 and 2009 (recorded separately as archaeological site Resource ID 704857), suggesting the information available from the assessor had not been updated at the time of the upload. The current information available from the Assessor indicates the current house was built in 1943 (SC Assessor 2020). Historic aerial imagery of the property is available beginning in 1954 with the house first appearing in imagery in 1969, and depicted the house as added to the parcel between 1954 and 1969. This suggests the house was likely moved to the property from elsewhere. The barn and orchard were first visible in 1980, indicating they were added between 1969 and 1980, making them most likely 50 years old or less. Other noted outbuildings did not appear until c. 2015 (NETR 2020).

The house has no direct association with a historic person or event and does not qualify under Criteria A and B. The house is also fairly typical of mid-century house design and does not exhibit a distinctive characteristic that would meet Criterion C. The house has also been altered and is unlikely to yield as of yet unknown information as required by Criterion D. The house was likely moved to this location after it was built, altering the integrity of location, association, and setting. Historic buildings that have been removed from their original location do not typically meet NRHP eligibility criteria because removal destroys the relationships between the property and its surroundings and any related historical associations (NPS 2002:29). The exterior also shown signs it may have been altered from the original appearance, diminishing the integrity of feeling, materials, and workmanship. As the house was likely moved onto the land, no direct association can be made with the original construction and integrity of association is lost. Therefore, this property is recommended not eligible for listing on the NRHP or WHR.

## **5.4 Conclusions and Recommendations**

This assessment was conducted to determine potential effects of this project on cultural resources. Investigations inclusive of pedestrian survey and the excavation of 878 shovel probes resulted in the identification of two historic properties and eight archaeological sites in the project location. Historic Edgecomb Creek is a man-made ditch of common construction which has been updated and maintained over the years. A 1943 house located in Parcel M was likely moved to the location after construction and altered in the subsequent years. Through alterations, both historic properties have lost integrity and are recommended not eligible for listing on historic registers.

Of the eight archaeological resources, three are precontact lithic isolates and five are remains of historic structures or constructed landscape features. The five historic era sites were generally found to be in poor condition with diminished integrity and are recommended not eligible for

listing on historic registers. The identified lithic materials were located across a wide stretch of the project location in a somewhat disturbed context (plow zone). Landscape analysis places the materials in close proximity to current or past depressions. Subsurface investigations identified a typical stratigraphy of disturbed plow zone above native alluvial and glacial materials. Cultural materials appeared to be limited to the plowzone layer, indicating the initial topsoil may have been shallow in nature. Each of the isolates is unlikely to yield information important to prehistory and is thus recommended not eligible for listing on historic registers.

None of the cultural resources identified within the project is recommended eligible for historic registers. A determination of “No historic properties affected” is therefore recommended. Field methods employed in the survey were considered sufficient for the identification of potentially significant cultural resources. No further cultural resources investigation is recommended for the project.

In the event that any ground-disturbing or other construction activities result in the unanticipated discovery of archaeological resources, work should be halted in the immediate area, and contact made with county officials, the technical staff at DAHP, and tribal representatives. A plan for unanticipated discoveries is included as Attachment D. Work should be stopped until further investigation and appropriate consultation have concluded. In the unlikely event of the inadvertent discovery of human remains, work should be immediately halted in the area, the discovery covered and secured against further disturbance, and contact effected with law enforcement personnel, consistent with the provisions set forth in RCW 27.44.055 and RCW 68.60.055.

## **6.0 Limitations of this Assessment**

No cultural resources study can wholly eliminate uncertainty regarding the potential for prehistoric sites, historic properties or traditional cultural properties to be associated with a project. The information presented in this report is based on professional opinions derived from our analysis and interpretation of available documents, records, literature, and information identified in this report, and on our field investigation and observations as described herein. Conclusions and recommendations presented apply to project conditions existing at the time of our study and those reasonably foreseeable. The data, conclusions, and interpretations in this report should not be construed as a warranty of subsurface conditions described in this report. They cannot necessarily apply to site changes of which CRC is not aware and has not had the opportunity to evaluate.

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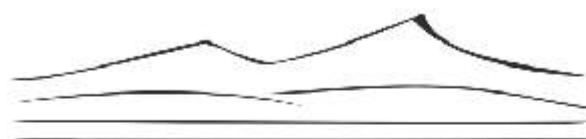
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## Attachment A. Correspondence between CRC and local Tribes.



### Cultural Resource Consultants

Snohomish Tribe  
Michael didahalqid Evans, Chair  
9792 Edmonds Way, #267  
Edmonds, WA 98020

July 15, 2020

Re: Cultural Resources Assessment for the Northpoint Cascade Industrial Center Project,  
Marysville and Arlington, Snohomish County, Washington

Dear Michael:

I am writing to inform you of a cultural resources assessment for the above referenced project and to seek additional information about the project area the Tribe may have that is not readily available through other written sources. This letter is on a technical staff-to-technical staff basis to inquire about project-related cultural information or concerns. It is not intended as formal government-to-government consultation to be initiated by the appropriate regulatory agency.

The project is located in Section 31, Township 27 North, Range 05 East Willamette Meridian at 59th Ave NE (Parcels 31052700100100, 31052700100300, 31052700400300, 31052700300200, 31052700300500, 31052700300700, 31052700300800, & 31052700300900) in Marysville and Arlington, Snohomish County, Washington. The project will construct an industrial park with several buildings and associated access roads, parking, stormwater detention, and utilities. A portion of Edgecomb Creek would be rerouted.

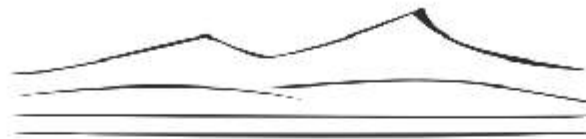
We are in the process of reviewing available information. Background research will include a site files search at the Washington State Department of Archaeology and Historic Preservation, review of previously recorded cultural resource reports, and review of pertinent published literature and ethnographies. Results of our investigations will be presented in a technical memo.

We are aware that not all information is contained within published sources. Should the Tribe have additional information to support our assessment, we would very much like to include it in our study. Please contact me at [sonja@crcwa.com](mailto:sonja@crcwa.com) or 360-395-8879 should you wish to provide any comments. I appreciate your assistance in this matter and look forward to hearing from you.

Sincerely,

Sonja Kleinschmidt, Projects Manager

CULTURAL RESOURCE CONSULTANTS, LLC. PO BOX 4159, SEATTLE, WA 98194  
PHONE 206.855.9020 - [sonja@crcwa.com](mailto:sonja@crcwa.com)



## Cultural Resource Consultants

Stillaguamish Tribe  
Kerry Lyste, Cultural Resources  
3322 236th Street NE  
Arlington, WA 98223

July 15, 2020

Re: Cultural Resources Assessment for the Northpoint Cascade Industrial Center Project,  
Marysville and Arlington, Snohomish County, Washington

Dear Kerry:

I am writing to inform you of a cultural resources assessment for the above referenced project and to seek additional information about the project area the Tribe may have that is not readily available through other written sources. This letter is on a technical staff-to-technical staff basis to inquire about project-related cultural information or concerns. It is not intended as formal government-to-government consultation to be initiated by the appropriate regulatory agency.

The project is located in Section 31, Township 27 North, Range 05 East Willamette Meridian at 59th Ave NE (Parcels 31052700100100, 31052700100300, 31052700400300, 31052700300200, 31052700300500, 31052700300700, 31052700300800, & 31052700300900) in Marysville and Arlington, Snohomish County, Washington. The project will construct an industrial park with several buildings and associated access roads, parking, stormwater detention, and utilities. A portion of Edgecomb Creek would be rerouted.

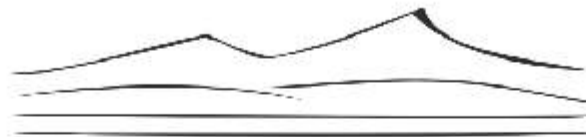
We are in the process of reviewing available information. Background research will include a site files search at the Washington State Department of Archaeology and Historic Preservation, review of previously recorded cultural resource reports, and review of pertinent published literature and ethnographies. Results of our investigations will be presented in a technical memo.

We are aware that not all information is contained within published sources. Should the Tribe have additional information to support our assessment, we would very much like to include it in our study. Please contact me at [sonja@crcwa.com](mailto:sonja@crcwa.com) or 360-395-8879 should you wish to provide any comments. I appreciate your assistance in this matter and look forward to hearing from you.

Sincerely,

Sonja Kleinschmidt, Projects Manager

CULTURAL RESOURCE CONSULTANTS, LLC. PO BOX 4159, SEATTLE, WA 98194  
PHONE 206.855.9020 - [sonja@crcwa.com](mailto:sonja@crcwa.com)



## Cultural Resource Consultants

Tulalip Tribes  
Richard Young, Cultural Resources  
6410 23<sup>rd</sup> Ave NE  
Tulalip, WA 98271

July 15, 2020

Re: Cultural Resources Assessment for the Northpoint Cascade Industrial Center Project,  
Marysville and Arlington, Snohomish County, Washington

Dear Richard:

I am writing to inform you of a cultural resources assessment for the above referenced project and to seek additional information about the project area the Tribe may have that is not readily available through other written sources. This letter is on a technical staff-to-technical staff basis to inquire about project-related cultural information or concerns. It is not intended as formal government-to-government consultation to be initiated by the appropriate regulatory agency.

The project is located in Section 31, Township 27 North, Range 05 East Willamette Meridian at 59th Ave NE (Parcels 31052700100100, 31052700100300, 31052700400300, 31052700300200, 31052700300500, 31052700300700, 31052700300800, & 31052700300900) in Marysville and Arlington, Snohomish County, Washington. The project will construct an industrial park with several buildings and associated access roads, parking, stormwater detention, and utilities. A portion of Edgecomb Creek would be rerouted.

We are in the process of reviewing available information. Background research will include a site files search at the Washington State Department of Archaeology and Historic Preservation, review of previously recorded cultural resource reports, and review of pertinent published literature and ethnographies. Results of our investigations will be presented in a technical memo.

We are aware that not all information is contained within published sources. Should the Tribe have additional information to support our assessment, we would very much like to include it in our study. Please contact me at [sonja@crcwa.com](mailto:sonja@crcwa.com) or 360-395-8879 should you wish to provide any comments. I appreciate your assistance in this matter and look forward to hearing from you.

Sincerely,

Sonja Kleinschmidt, Projects Manager

CULTURAL RESOURCE CONSULTANTS, LLC. PO BOX 4159, SEATTLE, WA 98194  
PHONE 206.855.9020 • [sonja@crcwa.com](mailto:sonja@crcwa.com)



Sonja Kleinschmidt &lt;sonja@crcwa.com&gt;

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**2006G Letter to Stillaguamish Tribe Response**

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Tracey Boser &lt;traceybosier@stillaguamish.com&gt;

Mon, Jul 20, 2020 at 9:06 PM

To: "sonja@crowa.com" &lt;sonja@crowa.com&gt;

Cc: Kerry Lyste &lt;klyste@stillaguamish.com&gt;, Sam Barr &lt;sbarr@stillaguamish.com&gt;

Sonja,

Thank you for reaching out to Stillaguamish. We appreciate the opportunity to review and comment on this project. I apologize if I am sharing history that you may already be aware of. And, will only be sharing what relates within the direct vicinity to the project site.

A very short distance to the west of the project area is where a longhouse stood (Tribal informant: Rose Harvey Kempf). The historical trail between Kent Prairie (xwba'qwab) and the head of Quil Ceda (tuxqwota'itsdEb) that both Stillaguamish and Snohomish traveled (ICC 1974:595) appears to run adjacent, if not through the project area. A short distance to the south of the project was the place of The Oxstein Berry Patch. Many families would travel to pick berries here up into the 1940s (Tribal informant: Pat Brown).

We request notification of field work and look forward to reviewing your report.

Stay well and happy.

Tracey Boser, Cultural Resource Specialist  
Stillaguamish Tribe of Indians  
3322 236th Street NE, Arlington, WA 98223  
425-299-1172



## Attachment B. Probe Locations and Descriptions

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
1	IK 001	563860 m E 5333500 m N	0-30 – <b>Plow zone</b> – Gray to light grayish brown silty to clayey medium to fine grained sand, ~30% small to large gravels, subrounded to rounded, compact 30-100 – <b>Weathered Glacial</b> – Gray to grayish brown medium to coarse grained sand to clayey sand, with bands of clayey sand visible in the probe wall, ~20% small to large gravels, subrounded to rounded, ~3% charcoal fragments, weak compaction	None
2	IK 002	563820 m E 5333500 m N	0-25 – <b>Imported gravels</b> – Gray to grayish brown silty medium to fine grained sand, ~70% small to large gravels, angular to subangular 25-30 – <b>Weathered Glacial</b> – Gray clayey fine grained sand with minor orange oxidation, ~40% angular to subangular small to large gravels  Probe terminated due to compaction.	None
3	IK 003	563780 m E 5333500 m N	0-50 – <b>Plow zone</b> – Gray to grayish brown silty medium to fine grained sand to sandy silt, ~20% small to large gravels, subrounded to rounded, firm 50-140 – <b>Alluvial</b> – Dark grayish brown silty medium to fine grained sand, ~10% small to medium gravels, subrounded to rounded, weak compaction 140-160 – <b>Weathered Glacial</b> – Gray coarse grained sand, with minor orange oxidation, no rocks  Started auger at 90 cmbs.	20-40 cmbs – Two rusted wire nails, 2 pieces of colorless vessel glass
4	IK 004	563740 m E 5333500 m N	0-30 – <b>Plow zone</b> – Grayish brown silty medium to fine grained sand, ~10% small to medium gravels, subrounded to rounded, firm 30-100 – <b>Alluvial</b> – Gray to light grayish brown silty medium to fine grained sand, ~5% small gravels, subrounded to rounded, compact 100-130 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~5% small gravels, subrounded to rounded, firm  Started auger at 60 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
5	IK 005	563700 m E 5333500 m N	<p>0-25 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~10% small to medium gravels, firm</p> <p>25-100 – <b>Possibly Alluvial</b> – Grayish brown silt to silty medium to fine grained sand, ~5% charcoal and wood debris</p> <p>50-70 cmbs, no rocks, compact</p> <p>100-150 – <b>Likely Weathered Glacial</b> – Dark grayish brown/olive clayey silt, with lenses of yellowish brown coarse grained sand ~120 cmbs, no rocks, compact</p> <p>150-160 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sand, no rocks, firm</p> <p>160-200 – <b>Weathered Glacial</b> – Dark gray medium to fine grained sandy and silty clay, no rocks</p> <p>200-210 – <b>Weathered Glacial</b> – Medium brown medium to fine grained sandy clay, no rocks</p> <p>210-300 – <b>Weathered Glacial</b> – Dark gray medium to mostly coarse grained sand</p> <p>Started auger at 75 cmbs.</p> <p>*Unit taken down to 300 cmbs due to early field inquiry of soil deposition. Current description of deposition based on project wide analysis.</p>	None
6	IK 006	563660 m E 5333500 m N	<p>0-50 – <b>Plow zone</b> – Grayish brown silty medium to fine grained sand, ~1% small to medium gravels, subrounded to rounded, compact</p> <p>50-100 – <b>Possibly Alluvial</b> – White to gray silty clay, no rocks, compact</p> <p>100-150 – <b>Likely Weathered Glacial</b> – Dark gray to grayish brown silty clay, no rocks</p> <p>Started auger at 80 cmbs.</p>	None
7	IK 007	563620 m E 5333500 m N	<p>0-30 – <b>Plow zone</b> – Dark brown medium to fine grained sand with trace silt, ~1% small to medium gravels, subrounded to rounded, weak compaction</p> <p>30-50 – <b>Possibly Alluvial</b> – White to gray silty clay, no rocks, compact</p> <p>50-100 – <b>Possibly Alluvial</b> – Gray to grayish brown silt, no rocks, firm</p> <p>100-160 – <b>Likely Weathered Glacial</b> – Brown to grayish brown silty clay, no rocks, compact</p> <p>Started auger at 100 cmbs.</p> <p>Water table at 120 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
8	IK 008	563580 m E 5333500 m N	0-20 – <b>Plow zone</b> – Dark brown silty medium to fine grained sand, ~1% small gravels, subrounded to rounded, weak compaction 20-60 – <b>Alluvial</b> – Grayish brown silt, no rocks, compact 60-90 – <b>Weathered Glacial</b> – Gray to white silty clay, no rocks, compact 90-100 – <b>Weathered Glacial</b> – Medium brown to grayish brown sandy clay, no rocks, compact	None
9	IK 020	563540 m E 5333500 m N	0-30 – <b>Plow zone</b> – Grayish brown silty medium to fine grained sand, ~5% small to medium gravels, subrounded to rounded, firm 30-100 – <b>Weathered Glacial</b> – Gray to yellowish brown medium to coarse grained sand, ~10% small to large gravels, subrounded to rounded, weak compaction 100-150 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~50% small to large gravels, subangular to subrounded, weak compaction  Started auger at 100 cmbs. Water table at 125 cmbs.	None
10	IK 019	563500 m E 5333500 m N	0-30 – <b>Plow zone</b> – Medium to dark brown silty medium to fine grained sand, ~10% small to large gravels, subrounded to rounded, firm 30-140 – <b>Weathered Glacial</b> – Gray medium grained sand, ~10% small to large gravels, subrounded, weak 140-150 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~10% small to large gravels, subangular to subrounded, weak compaction  Started auger at 100 cmbs. Water table at 145 cmbs.	None
11	IK 018	563460 m E 5333500 m N	0-20 – <b>Plow zone</b> – Grayish brown silty medium to fine grained sand, ~10% small to medium gravels, subrounded to rounded, 20-30 – <b>Possibly Alluvial</b> – Band of gray to white silty to clayey medium to fine grained sand, no rocks, compact (E horizon?) 30-130 – <b>Weathered Glacial</b> – Yellowish brown medium to fine grained sand, ~10% small to large gravels, subrounded to rounded, weak compaction 130-150 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~5% small to medium gravels, subrounded to rounded, weak compaction  Started auger at 100 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
12	IK 017	563420 m E 5333500 m N	0-30 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~10% small to large gravels, subrounded to rounded, firm 30-130 – <b>Weathered Glacial</b> – Yellowish brown medium to fine grained sand, ~5% small to large gravels, subrounded to rounded, weak compaction 130-150 – <b>Weathered Glacial</b> – Dark yellowish brown coarse to very coarse grained sand, ~3% small to medium gravels, subrounded, weak compaction  Started auger at 100 cmbs.	None
13	IK 016	563380 m E 5333500 m N	0-20 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~10% small to large gravels, subrounded to rounded, firm 20-70 – <b>Weathered Glacial</b> – Yellowish brown medium to fine grained sand, ~10% small to large gravels, subrounded to rounded, weak compaction 70-110 – <b>Weathered Glacial</b> – Dark yellowish brown medium grained sand, ~40% small to large gravels, subrounded to rounded, weak compaction 110-135 – <b>Weathered Glacial</b> – Dark yellowish brown coarse to very coarse grained sand, ~10% small to large gravels, subrounded to rounded, weak compaction  Started auger at 100 cmbs.	None
14	IK 015	563340 m E 5333500 m N	0-20 – <b>Fill</b> – Light brown medium to fine grained sand, ~70% small gravels to medium cobbles, angular, compact  Terminated due to rock density.	20 cmbs – 1 rusted complete wire nail
15	DC 015	563340 m E 5333460 m N	0-30 – <b>Import and Developing Topsoil</b> – Gray silt and fine grained sand, well sorted, dry, very compact  Terminated at 30 cmbs due to impenetrable concentration of cobbles and very compact fine sediments. 10+ small cobbles across floor, unable to pry loose. Possibly result of previous development or habitation.	None
16	DC 016	563380 m E 5333460 m N	0-30 – <b>Topsoil/ Plow zone</b> – Gray brown sandy loam/ loamy sand, moderately well sorted, well-drained, friable 30-80 – <b>Alluvial</b> – Brown fine grained sand, <1% gravels, well sorted, loose 80-105 – <b>Alluvially reworked glacial</b> – Gray-brown to gray fine grained sand, <1% gravels, well sorted, loose 105-135 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, <5-10% gravels, moderately sorted, loose	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
17	DC 017	563420 m E 5333460 m N	0-30 – <b>Topsoil/ Plow zone</b> – Gray-brown sandy loam/ loamy sand, moderately well sorted, friable 30-35 – <b>Weathered Glacial</b> – Light gray sandy clay, moderately well sorted, moderately compact 35-100 – <b>Weathered Glacial</b> – Brown fine to medium grained sand with increasing coarseness with depth, ~1% gravels until 70-100 then increase to ~5% gravels, moderately sorted, loose to friable 100-110 – <b>Unweathered Glacial</b> – Dark gray coarse sand, 5-10% pebble, moderately sorted, loose  Terminated at 110 cmbs due to cobble obstruction.	None
18	DC 018	563460 m E 5333460 m N	0-30 – <b>Plow zone</b> – Gray to gray-brown sandy loam to loamy sand, moderately well sorted, dry, friable 30-100 – <b>Alluvial/Reworked Glacial</b> – Brown fine to medium grained sand, ~5-10% pebble and cobble (smooth, water worn), moderately well sorted, loose 100-105 – <b>Weathered Glacial</b> – Gray sandy clay mixed with medium grained sand, moderately well sorted, mildly compact 105-115 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, 15%+ gravels and small cobbles, poorly sorted, damp, loose  Terminated at 115 cmbs due to impenetrable cobble.	None
19	DC 019	563500 m E 5333460 m N	0-45 – <b>Plow zone</b> – Gray-brown sandy loam, moderately well sorted, friable 45-105 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, ~5% pebble, moderately sorted, friable 105-125 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~5% pebble and cobble, poorly to moderately sorted, wet, loose  Terminated at 125 cmbs due to impenetrable cobble.	None
20	DC 020	563540 m E 5333460 m N	0-35 – <b>Plow zone</b> – Gray brown sandy loam, moderately well sorted, friable 35-70 – <b>Alluvial</b> – Gray to light gray silty clay, some small rootlets and signs of oxidation, moderately well sorted, moderately compact 70-110 – <b>Alluvial</b> – Gray silt, signs of oxidation, well sorted, damp, loose 110-140 – <b>Alluvial/Reworked Glacial?</b> – Gray and brown coarse grained sand, <1% gravels, moderately well sorted, wet 140-150 – <b>Weathered Glacial</b> – Gray to dark gray coarse grained sand, 1-5% pebble, moderately well sorted, wet	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
21	DC 008	563595 m E 5333451 m N	<p>0-30 – <b>Plow zone</b> – Brown silty-clay-loam, moderately well sorted, friable</p> <p>30-60 – <b>Disturbed Relict Wetland Deposits</b>– Mix of brown and gray silty-clay with some blue-gray silty inclusions; top has some very small organics and peaty smell</p> <p>60-100 – <b>Possible Wetland Deposit</b> – Light gray silty-clay with some blue-gray silt inclusions near top of layer, damp, compact</p> <p>Terminated in glacial materials. Shifted due to error with compass.</p>	<p>0-20 cmbs – 2 terra cotta fragments (&lt;1cm in size)</p> <p>~20cmbs – 1 piece of wood, possible tree debris or fencing (~8x20cm in size)</p>
22	DC 007	563627 m E 5333452 m N	<p>0-30 – <b>Plow zone</b> – Brown silty-clay-loam, moderately well sorted, friable</p> <p>30-65 – <b>Disturbed</b> – Mix of brown silty-clay-loam, brown silty-clay, gray silty-clay, and blue-gray silty-clay, mottled, moderately compact, moderately well sorted</p> <p>65-100 – <b>Possible Wetland Deposit</b> – Gray silty-clay, moderately well sorted, with small amount of very small roots present near top of layer, compact</p> <p>Shifted due to error with compass.</p>	7 terra cotta pipe fragments (<1 to ~3 cm in size)
23	DC 006	563660 m E 5333460 m N	<p>0-40 – <b>Plow zone</b> – Brown silty-clay-loam, moderately well sorted, friable</p> <p>40-100 – <b>Possible Wetland Deposit</b> – Gray silty-clay with signs of oxidation near top, some very small roots present near top of layer, in very low amount, moderately well sorted, friable</p>	3 terra cotta pipe fragments (~1-3cm in size)
24	DC 005	563700 m E 5333460 m N	<p>0-20 – <b>Plow zone</b> – Gray-brown sandy-loam with &lt;1% gravels, moderately well sorted, friable</p> <p>20-35 – <b>Disturbed/ Plow zone</b> – Very light gray silty-loam, moderately well sorted; appears mottled with gray-brown sandy loam in places until ~31 cmbs, then clear band, friable to moderately compact</p> <p>35-110 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with inclusions of sticky sandy-clay-loam, moderately well sorted, &lt;1% gravels</p> <p>110-150 – <b>Weathered Glacial</b> – Dark gray coarse grained sand with ~5% gravels, wet, loose</p> <p>Terminated in glacial materials.</p>	0-20 cmbs – 19 terra cotta pipe fragments (<1cm to 4cm in size)

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
25	DC 004	563740 m E 5333460 m N	<p>0-45 – <b>Plow zone</b> – Gray loamy-sand to sandy-loam with &lt;1% small gravels beneath ~2cm root mat, moderately well sorted, loose to friable,</p> <p>45-55 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with 1-5% small gravels, moderately well sorted, loose,</p> <p>55-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with occasional inclusions or strata of sticky, compact sandy-clay-loam and/or sandy-clay with 1-5% small gravels, moderately well sorted</p> <p>100-110 – <b>Weathered Glacial</b> – Gray sandy-clay-loam/sandy-clay, clear signs of oxidation, medium to well sorted; possible wetland materials, sticky, compact</p> <p>110-150 – <b>Weathered Glacial</b> – Gray to dark gray coarse grained sand with 1-5% gravels, wet, loose,</p> <p>Water table at 145 cmbs. Terminated due to water content.</p>	None
26	DC 003	563780 m E 5333460 m N	<p>0-30 – <b>Plow zone</b> – Gray medium grained loamy sand to sandy-loam, moderately well sorted, loose to friable</p> <p>30-60 – <b>Weathered Glacial?</b> – Gray sandy-clay-loam with some clay, moderately well sorted, signs of oxidation, dry, sticky, friable</p> <p>60-100 – <b>Weathered Glacial</b> – Gray medium to coarser grained sand, little to no oxidation, &lt;1% gravels, dry, loose</p>	None
27	DC 002	563820 m E 5333460 m N	<p>0-5 – <b>Developing Topsoil</b> – Black loam/sandy loam, well sorted, loose</p> <p>5-30 – <b>Imported and Disturbed</b> – Gray, yellow-brown, and brown medium to coarse sand, very gravelly (~35% cobble, 15% pebble) with large, impenetrable chunks of concrete; likely in driveway</p> <p>Note: attempted 3 STPs, unable to get past gravel/concrete mix, would be too dense and compact even with breaker bar. Terminated due to compaction.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
28	DC 001	563860 m E 5333460 m N	0-20 – <b>Plow zone</b> – Black loam/ sandy loam, no gravels, well sorted, loose to friable 20-30 – <b>Disturbed</b> - Gray, orange, and yellow medium to coarse grained sand, moderately well sorted, loose 30-50 – <b>Possibly Alluvial</b> – Gray to dark gray sand and clay or sandy-clay loam, moderately well sorted, sticky, friable to moderately compact 50-70 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, moderately well sorted, wet, loose 70-90 – <b>Weathered Glacial</b> – Gray sandy-clay and sand or sandy clay loam, signs of oxidation, moderately well-sorted (~3-5 cm band of oxidized sediment roughly 10 cm into stratum, in addition to oxidation throughout), sticky, wet, moderately compact 90-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, moderately well sorted, wet, loose 100-120 – <b>Weathered Glacial</b> – Gray sandy-clay, little signs of oxidation, moderately well sorted, wet, compact 120-140 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, moderately sorted, wet, loose  Started auger at 100 cmbs. Terminated in glacial materials.	None
29	JG 001	563860 m E 5333420 m N	0-18 – <b>Import</b> – Gray fine to medium grained sand with 30-40% pebbles to small gravels, angular to subrounded, 20-30% rootlets 18-45 – <b>Import</b> – Gray silty fine grained sand with ~30-40% pebbles to cobbles, subangular to rounded with increasing cobble ration with depth, slightly firm to very firm with compaction increasing with depth.  Terminated on cobble.	30-40 cmbs – colorful plastic wrapper
30	JG 002	563820 m E 5333420 m N	0-35 – <b>Possibly compost/burn debris</b> – Black organic/ carbon rich loamy sand 35-78 – <b>Mounded construction/demolition debris</b> – Brown sandy silt, ~20% pebbles to small gravels, angular to subrounded 78-125 – <b>Likely Alluvial</b> – Gray to dark gray clayey silt with some sand, firm, slightly sticky 125-145 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand 145-165 – <b>Weathered Glacial</b> – Light gray to gray fine grained sand with some silt  Started auger at 95 cmbs due to stickiness and upper disturbance.	42 cmbs – possible 1” plastic tubing, black  35-75 cmbs – 7 wire cut nails, rusty, 7 pieces concrete/ conglomerate 5 pieces coal

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31	JG 003	563780 m E 5333420 m N	<p>0-37 – <b>Plow zone</b> – Light gray fine grained sandy silt, ~10% gravels, dry</p> <p>37-48 – <b>Possibly Alluvial?</b> – Gray medium to coarse grained sand to silty sand, ~10% gravels</p> <p>48-56 – <b>Alluvial</b> – Pale yellowish brown sandy silt</p> <p>56-65 – <b>Alluvial</b> – Dark gray fine grained silty sand</p> <p>65-100 – <b>Possibly Weathered Glacial</b> – Dark gray medium grained sand with some coarse sand to small pebbles, damp</p> <p>100-120 – <b>Possibly Weathered Glacial</b> – Dark gray fine grained sandy silt, damp</p> <p>120-167 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with ~5% pebbles, subangular to subrounded, moist</p> <p>Started auger at 100 cmbs. Terminated at in Glacial. Water table at base.</p>	0-20 cmbs – hardware/fencing staple
32	JG 004	563740 m E 5333420 m N	<p>0-35 – <b>Plow zone</b> – Light grayish brown to light brownish gray fine grained sandy silt, firm, dry</p> <p>35-50 – <b>Possible Wetland Deposit</b> – Light gray silt with some charcoal in eastern wall (~39-42 cmbs), firm</p> <p>50-63 – <b>Alluvial</b> – Light brownish gray fine grained sandy silt to silty sand, very firm</p> <p>63-85 – <b>Alluvial</b> – Gray fine to medium grained sand, firm</p> <p>85-100 – <b>Alluvial</b> – Brown fine grained sandy silt, very firm</p> <p>100-120 – <b>Weathered Glacial</b> – Gray fine grained sand</p> <p>120-160 – <b>Weathered Glacial</b> – Gray medium grained sand</p> <p>Started auger at 95 cmbs due to compaction Water table at 149 cmbs.</p>	None
33	JG 005	563700 m E 5333420 m N	<p>0-28 – <b>Plow zone</b> – Light grayish brown fine grained sandy silt, firm, dry</p> <p>28-37 – <b>Alluvial</b> – Light gray fine grained sand</p> <p>37-55 – <b>Alluvial</b> – Grayish brown silt to fine grained sandy silt, firm, damp</p> <p>55-70 – <b>Alluvial</b> – Light gray silt to clayey silt</p> <p>70-81 – <b>Alluvial</b> – Pale yellowish brown sandy silt, firm</p> <p>81-111 – <b>Weathered Glacial?</b> – Light gray fine grained sand with some silt and ~10% oxidation</p> <p>111 – 155 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sand with ~5% pebbles increasing to ~30% pebbles and gravels at base</p> <p>Started auger at 95 cmbs due to compaction in upper levels. Water table at 120 cmbs.</p>	0-30 cmbs – small fragment of terracotta or brick

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
34	JG 006	563660 m E 5333420 m N	0-36 – <b>Plow zone</b> – Dark brown silt loam, ~10% rootlets 36-80 – <b>Alluvial</b> – Gray sandy silt, firm 80-100 – <b>Weathered Glacial?</b> – Gray fine to medium grained sand with some silt	0-35 cmbs – Clay/ terracotta pipe fragments
35	JG 007	563620 m E 5333420 m N	0-25 – <b>Plow zone</b> – Dark brown silt loam, no gravels, slightly firm 25-40 – <b>Alluvial</b> – Gray fine grained sand, no gravels, soft to slightly firm 40-52 – <b>Alluvial</b> – Dark brown clayey silt, no gravels, firm 52-62 – <b>Alluvial</b> – Gray fine grained sandy silt, no gravels, slightly firm 62-75 – <b>Alluvial</b> – Dark gray fine grained silty sand to sand, no gravels, slightly firm 75-82 – <b>Alluvial</b> – Lenses of dark gray fine grained silty sand and pale gray silt to clayey silt, no gravels, firm 82-91 – <b>Alluvial</b> – Pale gray silt to clayey silt, no gravels, firm 91-100 – <b>Alluvial</b> – Gray clay to clayey silt	0-25 cmbs – ~7 small terracotta/ brick fragments
36	JG 008	563580 m E 5333420 m N	0-28 – <b>Plow zone</b> – Dark Brown silt loam, no gravels, slightly firm 28-43 – <b>Disturbed native sediment</b> - Lenses of brown silt and pale gray clay to clayey silt 43-53 – <b>Alluvial</b> – Pale gray clay to clayey silt, no gravels, firm to very firm 53-60 – <b>Alluvial</b> – Pale yellowish brown silty clay to clayey silt, no gravels, firm to very firm 60-75 – <b>Alluvial</b> – Lenses of brown silt and pale gray clay to clayey silt, very firm 75-100 – <b>Possibly Alluvial</b> – Gray fine grained silty sand to sand, firm to very firm.  Started auger at 90 cmbs due to narrowing caused by compaction. Water table at base.	None
37	JG 020	563540 m E 5333420 m N	0-27 – <b>Plow zone</b> – Grayish brown silt loam, ~5% pebbles, subangular to rounded, dry, firm to very firm, clear boundary 27-39 – <b>Alluvial</b> – Light gray fine grained silty sand, ~5% pebbles, very firm to firm, gradual boundary 39-85 – <b>Weathered Glacial</b> – Light gray to gray fine to medium grained sand, ~5% pebbles, firm 85-118 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with some silt and inclusions of silty sand, 5-10% pebbles to small gravels, subangular to rounded, firm  Water table at 100 cmbs. Assisted by Sam Barr of the Stillaguamish Tribe.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
38	JG 019	563500 m E 5333420 m N	0-35 – <b>Plow zone</b> – Grayish brown silt loam, ~5% pebbles, subangular to rounded, dry, firm to very firm, clear boundary 35-48 – <b>Alluvial</b> – Light gray fine grained silty sand, ~5% pebbles, very firm to firm, gradual boundary 48-80 – <b>Unweathered Glacial</b> – Light gray to gray fine to medium grained sand, ~5% pebbles, firm 80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with some silt and inclusions of silty sand, 5-10% pebbles to small gravels, subangular to rounded, firm	None
39	JG 018	563460 m E 5333420 m N	0-32 – <b>Plow zone</b> – Grayish brown silt loam, ~5% pebbles, subangular to rounded, dry, firm to very firm, clear boundary 32-52 – <b>Alluvial</b> – Light gray silty fine grained sand, <5% pebbles, firm 52-80 – <b>Alluvially reworked Glacial?</b> – Light brown fine to medium grained sand, 5-10% pebbles to small gravels, firm to soft, clear boundary 80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% pebbles to small gravels, subangular to rounded, moist, firm	None
40	JG 017	563420 m E 5333420 m N	0-29 – <b>Plow zone</b> – Grayish brown to dark grayish brown silt loam, dry, firm to very firm, clear boundary 29-49 – <b>Potentially Alluvial</b> – Light gray fine to medium grained sand with silts, slightly firm to firm, gradual boundary 49-114 – <b>Potentially Alluvial</b> – Light brown fine grained sand with silts, gradually increasing in coarseness with depth to coarse grained sand with 20-30% gravels, subangular to rounded at base, slightly firm  Started auger at 100 cmbs. Terminated on a rock.	None
41	JG 016	563380 m E 5333420 m N	0-37 – <b>Plow zone</b> – Dark brown sandy silt to loam, slightly firm to soft, clear boundary 37-45 – <b>Potentially Alluvial</b> – Light gray fine to medium grained sand with silts, slightly firm to firm, gradual boundary 45-113 – <b>Potentially Alluvial</b> – Light brown fine grained sand with silts, gradually increasing in coarseness with depth to coarse grained sand with 20-30% gravels, subangular to rounded at base, slightly firm  Started auger at 96 cmbs. Terminated on a rock.	None

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42	JG 015	563340 m E 5333420 m N	<p>0-49 – <b>Plow zone</b> – Light brownish gray sandy silt, ~40-50% pebbles to cobbles, subrounded to angular, dry, with some pockets of yellow medium grained sand win lower 10 cm, firm to very firm</p> <p>49-75 – <b>Potentially Alluvial</b> – Gray fine grained silty sand to sandy silt, very firm to firm</p> <p>75-120 – <b>Potentially Alluvial</b> – Light brown fine grained sand with gradual increase of coarseness to medium to coarse grained sand with 5-10% pebbles, subangular to rounded, at base, firm to soft</p> <p>Started auger at 60 cmbs due to compaction. Terminated at 120 due to rock.</p> <p>Unit was located on eastern toe slope/base of a push pile.</p>	0-40 cmbs – 2 shards thick clear container glass (1 base fragment), non-diagnostic
43	DC 022	563340 m E 5333380 m N	<p>0-25 – <b>Plow zone</b> – Gray-brown sandy loam, moderately well sorted, friable</p> <p>25-40 – <b>Possibly Alluvial</b> – Gray fine to medium grained sand, moderately well sorted, friable</p> <p>40-110 – <b>Alluvial/Reworked Glacial?</b> – Brown fine to medium grained sand that gradually transitions to medium to coarse grained at the bottom, 5-10% pebble to cobbles in lower half, moderately well sorted to moderately sorted, loose</p> <p>110-130 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, 1-5% gravels and cobbles, moderately sorted, damp, loose</p> <p>Terminated at 130 cmbs due to cobble obstruction.</p>	None
44	IK 022	563380 m E 5333380 m N	<p>0-50 – <b>Plow zone</b> – Medium brown to grayish brown silty fine grained sand, ~5% small to medium gravels, subrounded to rounded, weak compaction</p> <p>50-110 – <b>Weathered Glacial?</b> – Yellowish brown medium to fine grained sand with trace silt, ~1% small to medium gravels, weak compaction</p> <p>110-120 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% small to large gravels, subrounded, weak compaction</p> <p>Started auger at 100 cmbs. Terminated due to rocks.</p>	0-10 cmbs – 1 piece of gray flat/vessel glass

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45	JG 022	563420 m E 5333380 m N	<p>0-40 – <b>Plow zone</b> – Grayish brown silt loam, ~5% pebbles, subangular to rounded, dry, firm to very firm, clear boundary</p> <p>40-60 – <b>Possibly Alluvial</b> – Light gray fine grained silty sand, ~5% pebbles, very firm to firm, gradual boundary</p> <p>60-123 – <b>Weathered Glacial</b> – Light gray to gray fine to medium grained sand, ~5% pebbles, firm</p> <p>123-140 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with some silt and inclusions of silty sand, 5-10% pebbles to small gravels, subangular to rounded, firm</p> <p>Started auger at 100 cmbs. Terminated in Unweathered Glacial. Assisted by Sam Barr of the Stillaguamish Tribe.</p>	None
46	DC 021	563460 m E 5333380 m N	<p>0-30 – <b>Plow zone</b> – Gray-brown sandy loam, moderately well sorted, friable</p> <p>30-80 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, moderately well sorted, friable to mildly compact</p> <p>80-110 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 1-5% gravels, moderately sorted, friable to loose</p> <p>110-140 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, 5-10% gravels and cobbles, moderately to poorly sorted, wet, loose</p> <p>Terminated at 140 cmbs due to impenetrable cobble.</p>	None
47	JG 021	563500 m E 5333380 m N	<p>0-26 – <b>Plow zone</b> – Grayish brown silt loam, ~5% pebbles, subangular to rounded, dry, firm to very firm, clear boundary</p> <p>26-47 – <b>Alluvial</b> – Light gray fine grained silty sand, ~5% pebbles, very firm to firm, gradual boundary</p> <p>47-78 – <b>Weathered Glacial</b> – Light gray to gray fine to medium grained sand, ~5% pebbles, firm</p> <p>78-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with some silt and inclusions of silty sand, 5-10% pebbles to small gravels, subangular to rounded, firm</p> <p>Assisted by Sam Barr of the Stillaguamish Tribe.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
48	IK 021	563540 m E 5333380 m N	0-30 – <b>Plow zone</b> – Grayish brown silty medium to fine grained sand, ~10% small to large gravels, subrounded to rounded, firm 30-65 – <b>Disturbed/Displaced Alluvial Sediments</b> – Mix of dark brown and white/gray silt to medium to fine grained sandy silt, no rocks, very compact 65-120 – <b>Alluvial</b> – Grayish brown medium to fine grained sandy silt, no rocks, compact 120-150 – <b>Weathered Glacial</b> – Dark gray silty coarse grained sand grading to coarse grained sand, ~2% small to large gravels, subangular to subrounded, weak compaction  Started auger at 80 cmbs. Water table at 125 cmbs.	None
49	IK 009	563580 m E 5333380 m N	0-35 – <b>Plow zone</b> – Medium to dark brown silty medium to fine grained sand, ~1% small to medium gravels, rounded, firm 35-70 – <b>Weathered Glacial</b> – Gray clayey medium to coarse grained sand, no rocks, weak (Alluvial) 70-100 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sand, no rocks, weak compaction (glacial)  Water table at 95 cmbs.	~15 cmbs – 1 medium sized terracotta sherd, possibly from former drainage pipe, 1 terracotta sherd in sidewall at same depth
50	IK 010	563620 m E 5333380 m N	0-25 – <b>Plow zone</b> – Grayish brown medium to fine grained sandy silt, ~1% small gravels, rounded, compact 25-100 – <b>Weathered Glacial</b> – Gray clayey sand, no rocks, compact 100-125 – <b>Weathered Glacial</b> – Yellowish brown and dark gray coarse grained sand, no rocks, loose  Started auger at 55 cmbs. Water table at 100 cmbs.	10-20 cmbs – 2 terracotta sherds
51	IK 011	563660 m E 5333380 m N	0-25 – <b>Plow zone</b> – Dark brown silty medium to fine grained sand, ~1% small gravels, rounded, weak compaction 25-50 – <b>Alluvial</b> – Gray to white clay to silty clay, rootlets throughout, compact 50-75 – <b>Weathered Glacial</b> – Grayish brown medium to coarse grained sand, no rocks, compact 75-90 – <b>Weathered Glacial</b> – Grayish brown clayey medium grained sand, no rocks, firm 90-115 – <b>Weathered Glacial</b> – Yellowish brown and gray coarse grained sand, no rocks  Started auger at 75 cmbs. Water table at 85 cmbs.	~10 cmbs – 2 small pieces of terracotta

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
52	IK 012	563700 m E 5333380 m N	0-25 – <b>Plow zone</b> – Medium brown silty medium to fine grained sand, ~1% small gravels, subrounded, firm 25-80 – <b>Alluvial</b> – Gray to grayish brown silty and fine grained sandy clay, no rocks, very compact 80-90 – <b>Weathered Glacial</b> – Grayish brown/olive medium to coarse grained sand, no rocks, weak compaction 90-115 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, no rocks, weak compaction	0-20 cmbs – ~10 small pieces of terracotta
53	IK 013	563740 m E 5333380 m N	North half of probe 0-20 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~1% small gravels, subrounded, firm 20-90 – <b>Possibly Alluvial</b> – Light gray medium to fine grained sand, trace silts, no rocks, compact 90-180 – <b>Weathered Glacial</b> – Yellowish brown and mostly dark gray coarse grained sand, ~5% small gravels, subrounded, weak  South half of probe 0-30 – <b>Plow zone</b> – Medium to light brown silty medium to fine grained sand, ~1% small to medium gravels, subrounded, firm 30-45 – <b>Disturbed native sediments/ trench fill</b> – Mix of gray to white silty to sandy clay and medium brown medium to fine grained sand, no rocks, firm 45– <b>Weathered Glacial</b> – Sediments below the pipe appear to be similar to those in the northern half of the probe, suggesting it may be undisturbed.  Probe was expanded northward after locating in situ pipes. Probe measures 40 cm (E-W) by 55 cm (N-S). Started auger at 90 cmbs. Water table at 100 cmbs.	0-30 cmbs – ~30 Small fragments of terracotta pipe  ~45 cmbs – 1 in situ terracotta pipe running east to west, with bell end pointing west, and 1 fragment oriented to the north. Pipe is ~6 inches in diameter with .5 inches thick walls.
54	IK 014	563780 m E 5333380 m N	0-30 – <b>Plow zone</b> – Medium brown to grayish brown, silty medium to fine grained sand, ~5% small to medium gravels, subrounded to rounded, firm 30-65 – Gray to yellowish brown medium grained sand, no rocks, firm 65-70 – <b>Potentially Alluvial</b> – Lens of orange silt, no rocks, no charcoal, firm 70-105 – <b>Potentially Alluvial</b> – Gray to grayish brown silty fine grained sand, no rocks, firm 105-160 – <b>Weathered Glacial</b> – Yellowish brown, mostly dark gray, coarse grained sand, ~30% small to medium gravels, subangular to subrounded, firm  Started auger at 100 cmbs. Water table at 140 cmbs.	0-10 cmbs – 2 pieces of pink/orange bailing twine

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55	IK 032	563829 m E 533383 m N	<p>0-30 – <b>Plow zone</b> – Grayish brown medium to fine grained sand, trace silt, ~10% small to medium gravels, subangular to rounded, firm</p> <p>30-80 – <b>Alluvial</b> – Dark grayish brown medium to fine grained sandy silt, ~5% wood debris, ~10% small to medium gravels, subangular to rounded, compact</p> <p>80-140 – <b>Alluvial/Reworked Glacial?</b> – Grayish brown silty medium to fine grained sand, ~10% small to medium gravels, subangular to rounded, firm</p> <p>140-150 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~20% small to large gravels, subangular to subrounded, weak compaction</p>	0-20 cmbs – 1 shard of colorless flat glass
56	LF 014	563860 m E 5333380 m N	<p>0-28 – <b>Plow zone</b> – Light brown silty-sand with grass and rootlets in first 4 cmbs, no gravels, compact</p> <p>28-47 – <b>Weathered Glacial</b> – Light gray fine sand with 15% subangular to subrounded gravels, streaks of red-brown oxidized sediments throughout, compact</p> <p>47-100 – <b>Weathered Glacial</b> – Gray fine to medium coarse grained sand, no gravels, compact</p> <p>100-150 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with 15% subrounded to round gravels and pebbles</p> <p>Started auger at 90 cmbs. Terminated in glacial materials.</p>	None
57	JG 037	563860 m E 5333340 m N	<p>0-37 – <b>Plow zone</b> – Light brown fine grained sandy silt to loam, 5-10% pebble to small gravels, dry, friable, firm to very firm</p> <p>37-70 – <b>Alluvial</b> – Light gray (dry) to gray (damp) fine grained sand, few rootlets, slightly firm</p> <p>70-80 – <b>Alluvial</b> – Brownish gray to dark gray silt with fine grained sand, few rootlets, firm</p> <p>80-100 – <b>Alluvial</b> – Gray fine to medium grained sand, damp, some oxidations, slightly firm</p> <p>100-120 – <b>Alluvial</b> – Dark gray to dark brown silt, some oxidation</p> <p>120-160 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, soft to slightly firm</p> <p>Started auger at 100 cmbs to verify deposition.</p>	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
58	IK 033	563820 m E 5333340 m N	0-40 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~10% small to medium gravels, subangular to rounded, firm 40-140 – <b>Alluvial</b> – Grayish brown medium to fine grained sandy silt, ~10% small to medium gravels, subangular to rounded, compact to very compact 140-150 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~5% small to medium gravels, subangular to subrounded, weak compaction (glacial)  Started auger at 90 cmbs.	~10 cmbs – 1 shaped/rounded wooden stake (possibly a tool handle)
59	DC 014	563780 m E 5333340 m N	0-35 – <b>Plow zone</b> – Gray brown sandy loam, moderately well sorted, dry, friable 35-105 – <b>Weathered Glacial</b> – Gray fine to medium grained sand and silt with occasional clay inclusions, moderately well sorted, moderately compact 105-115+ <b>Weathered Glacial</b> – Gray coarse grained sand, ~5% gravels, ~10% small cobbles, moderately sorted, wet, loose	None
60	DC 013	563740 m E 5333340 m N	0-25 – <b>Plow zone</b> – Gray brown loam/ sandy loam, moderately well sorted, dry, friable 25-100 – <b>Weathered Glacial</b> – Gray fine to medium grained sand and silt with occasional clay inclusions, moderately well sorted, dry, moderately compact 100-130 – <b>Weathered Glacial</b> – Gray coarse grained sand, ~5% gravels, moderately sorted, wet, loose  Water table at 110 cmbs.	None
61	DC 012	563700 m E 5333340 m N	0-30 – <b>Plow zone</b> – Gray-brown clay-loam/sandy-clay-loam, moderately well sorted, dry, friable 30-100 – <b>Weathered Glacial</b> – Gray fine to medium grained sand and silt, increasing in dampness and coarseness with depth, moderately well sorted, moderately compact 100-130 – <b>Weathered Glacial</b> – Dark gray coarse grained sand with ~5% gravels, moderately well sorted, wet, loose	0-20 cmbs: ~20 terra cotta fragments (<1cm in size)
62	DC 011	563660 m E 5333340 m N	0-30 – <b>Plow zone</b> – Gray-brown silty-clay-loam, moderately well sorted, dry, friable 30-35 – <b>Alluvial</b> – Very light gray silty-clay, moderately well sorted, compact 35-90 – <b>Likely Alluvial</b> – Gray silt, sand and silty-clay, moderately well sorted, friable to compact 90-120 – <b>Weathered Glacial</b> – Gray coarse grained sand, moderately sorted, wet, loose	0-10 cmbs: 3 terra cotta fragments (<1cm in size)

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
63	DC 010	563620 m E 5333340 m N	0-20 – <b>Plow zone</b> – Gray-brown silty-clay-loam, moderately well sorted, dry, friable 20-30 – <b>Alluvial</b> – Very light gray silty-clay, moderately well sorted, compact 30-50 – <b>Alluvial</b> – Gray-brown silty-clay, moderately well sorted, compact 50-120 – <b>Alluvial/Reworked Glacial?</b> – Gray to gray-brown medium to coarse grained sand (70/30 medium/coarse, but increasing coarseness with depth), moderately well sorted, damp 120-150 – <b>Weathered Glacial</b> – Gray coarse grained sand with 1-5% gravels, wet, loose glacial	None
64	DC 009	563580 m E 5333340 m N	0-30 – <b>Plow zone</b> – Gray to gray-brown silty-clay-loam, moderately well sorted, very dry, friable 30-55 – <b>Alluvial</b> – Brown silty-clay-loam and silty-clay, moderately well sorted, friable, mildly compact 55-80 – <b>Alluvial</b> – Gray silty-clay, moderately well sorted, damp, compact 80-110 – <b>Likely Alluvial</b> – Gray silty-loam/silty-clay-loam, moderately well sorted, damp, friable 110-150 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand (~70/30 coarse/medium) with ~1-5% gravels, moderately well sorted, wet, loose  Water table at 120 cmbs. Terminated in glacial materials.	9 terra cotta fragments (<1cm in size)
65	IK 025	563540 m E 5333340 m N	0-40 – <b>Plow zone</b> – Grayish brown silty medium to fine grained sand, ~1% small to medium gravels, subrounded to rounded, firm 40-100 – <b>Possibly Alluvial</b> – Gray mostly fine grained with medium grained sandy silt, no rocks, compact 100-140 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~40% small to large gravels, subangular to subrounded, firm (glacial)  Started auger at 100 cmbs. Water table at 110 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
66	IK 024	563500 m E 5333340 m N	0-30 – <b>Plow zone</b> – Medium to dark brown silty medium to fine grained sand, ~1% small to medium gravels, subrounded to rounded, weak compaction 30-90 – <b>Weathered Glacial</b> – Gray to yellowish brown medium to coarse grained sand, ~5% small to large gravels, subangular to subrounded, firm (Alluvial) 90-130 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~40% small to large gravels, subangular to subrounded, weak compaction  Started auger at 100 cmbs. Water table at 110 cmbs.	None
67	IK 023	563460 m E 5333340 m N	0-30 – <b>Plow zone</b> – Medium brown to grayish brown silty medium to fine grained sand, ~10% small to medium gravels, subrounded to rounded, firm 30-70 – <b>Possibly Alluvial</b> – Grayish brown silty fine grained sand, ~1% small gravels, subrounded to rounded, weak compaction 70-100 – <b>Weathered Glacial</b> – Dark yellowish brown coarse grained sand, ~10% small to medium gravels, subangular to subrounded, weak compaction	None
68	JG 023	563420 m E 5333340 m N	0-35 – <b>Plow zone</b> – Dark brown silt loam, with pocket of yellowish brown fine to medium grained sand 15-35 cmbs in west half, firm, abrupt boundaries 35-36 – <b>Alluvial</b> – Yellowish brown fine to medium grained sand, ~5% pebbles 36-48 – <b>Alluvial</b> – Light gray fine grained silty sand, ~5% pebbles, firm to very firm 48-63 – <b>Likely Alluvial</b> – Light brown fine grained sand, ~5% pebbles, firm 63-80 – <b>Alluvially reworked Glacial?</b> – Light brown fine grained sand with some silts, ~5% pebbles, firm 80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% gravels  Assisted by Sam Barr of the Stillaguamish Tribe.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
69	LF 001	563420 m E 5333300 m N	<p>0-7 – <b>Root zone</b> – Dark brown loam/sandy loam with hay and rootlets, no gravels</p> <p>7-33 – <b>Plow zone</b> – Grayish brown medium coarse grained sand, compact</p> <p>33-105 – <b>Weathered Glacial</b> – Light gray medium to coarse grained sand with &lt;5% subangular to subrounded gravels</p> <p>105-150 – <b>Weathered Glacial</b> – Gray coarse grained sand with 40% subangular to subrounded gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Water table at 105 cmbs. Terminated in glacial materials.</p>	None
70	LF 002	563460 m E 5333300 m N	<p>0-4 – <b>Root zone</b> – Gray sandy topsoil with hay and rootlets, no gravels</p> <p>4-29 – <b>Plow zone</b> – Gray/brown medium coarse grained sand with &lt;5% subangular to subrounded gravels, compact</p> <p>29-64 – <b>Weathered Glacial</b> – Gray medium coarse grained sand with 40% subangular to subrounded gravels, loose</p> <p>64-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 40% subangular to subrounded gravels and pebbles, wet, loose</p> <p>Terminated in glacial materials.</p>	None
71	LF 003	563500 m E 5333300 m N	<p>0-3 – <b>Root zone</b> – Gray sandy topsoil with hay and rootlets, no gravels</p> <p>3-35 – <b>Plow zone</b> – Gray/brown silty-sand, no gravels, compact</p> <p>35-110 – <b>Weathered Glacial</b> – Gray medium coarse grained sand with &lt;5% subangular to subrounded gravels and pebbles, loose</p> <p>110-150 – <b>Weathered Glacial</b> – Gray coarse grained sand with 50% subangular to subrounded gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Water table at 100 cmbs. Terminated in glacial materials.</p>	None
72	LF 004	563540 m E 5333300 m N	<p>0-5 – <b>Root zone</b> – Gray sandy topsoil with hay and rootlets</p> <p>5-32 – <b>Plow zone</b> – Gray/brown silty-sand, no gravels</p> <p>32-64 – <b>Possibly Alluvial</b> – Gray clayey-sand with streaks of red-brown oxidized sediments throughout, compact</p> <p>64-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 40% subangular to subrounded gravels and pebbles, wet, loose</p> <p>Terminated in glacial materials.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
73	JG 009	563580 m E 5333300 m N	<p>0-31 – <b>Plow zone</b> – Light grayish brown silt loam with ~10% pebbles to small gravels, angular to subrounded, friable, dry, firm</p> <p>31-50 – <b>Likely Alluvial</b> – Light gray fine grained sandy silt, no gravels, very firm to firm</p> <p>50-75 – <b>Possibly Alluvial</b> – Light gray fine grained sandy silt to silty sand, firm to very firm</p> <p>75-104 – <b>Weathered Glacial</b> – Gray to light gray fine to medium grained sandy, predominantly medium grained, firm</p> <p>Started auger at 80 cmbs due to narrowing caused by compaction. Water table at 87 cmbs.</p>	None
74	JG 010	563620 m E 5333300 m N	<p>0-24 – <b>Plow zone</b> – Light grayish brown silt loam with ~10% pebbles to small gravels, angular to subrounded, friable, dry, firm</p> <p>24-54 – <b>Possibly Alluvial</b> – Light gray fine grained sandy silt to silty sand, firm</p> <p>54-150 – <b>Weathered Glacial</b> – Gray fine to medium grained sand with some silts, becoming coarser with depth and medium to coarse grained sand with ~5-10% pebbles at the base</p> <p>Started auger at 100 cmbs. Water table at 81 cmbs.</p>	0-24 cmbs – 2 small terracotta fragments
75	JG 011	563660 m E 5333300 m N	<p>0-32 – <b>Plow zone</b> – Light grayish brown silt loam with ~10% pebbles to small gravels, angular to subrounded, friable, dry, firm</p> <p>32-70 – <b>Possibly Alluvial</b> – Light gray fine grained sandy silt to silty sand, very firm, dry</p> <p>70-130 – <b>Weathered Glacial</b> – Gray fine to medium grained sand with some silts, becoming coarser with depth and medium to coarse grained sand with ~5-10% pebbles at the base</p> <p>Started auger at 55 cmbs due to compaction. Terminated due to suction. Water table at 100 cmbs.</p>	0-40 cmbs – ~5 small terracotta fragments, 1 modern pane glass shard

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
76	JG 012	563700 m E 5333300 m N	0-29 – <b>Plow zone</b> – Light grayish brown silt loam with ~10% pebbles to small gravels, angular to subrounded, friable, dry, firm 29-50 – <b>Possibly Alluvial</b> – Light gray fine grained sandy silt to silty sand, very firm 50-155 – <b>Weathered Glacial</b> – Gray fine to medium grained sand with some silts, becoming coarser with depth and medium to coarse grained sand with ~5-10% pebbles at the base  Started auger at 40 cmbs due to compaction. Water table at 120 cmbs.	0-20 cmbs – Terracotta fragments in sidewall
77	JG 013	563740 m E 5333300 m N	0-38 – <b>Plow zone</b> – Light grayish brown silt loam with ~10% pebbles to small gravels, angular to subrounded, friable, dry, very firm 38-53 – <b>Possibly Alluvial</b> – Light gray fine grained sandy silt to silty sand, very firm 53-150 – <b>Weathered Glacial</b> – Gray very fine to medium grained sand with some silts, becoming coarser with depth and medium to coarse grained sand with <5% pebbles at the base  Started auger at 40 cmbs due to compaction. Water table at 116 cmbs.	0-30 cmbs – 1 terracotta fragment
78	JG 014	563780 m E 5333300 m N	0-32 – <b>Plow zone</b> – Light grayish brown silt loam with ~10% pebbles to small gravels, angular to subrounded, friable, dry, very firm 32-60 – <b>Possibly disturbed</b> – Gray medium grained sand with ~5-10% coarse pebbles, slightly firm 60-95 – <b>Possibly Alluvial</b> – Gray sandy silt to silty sand, firm 95-150 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, <5% pebbles, angular to rounded, with sediments becoming coarser with depth  Started auger at 100 cmbs to verify sediment. Water table at ~125 cmbs.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
79	IK 034	563820 m E 5333300 m N	<p>0-35 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~10% small to medium gravels, subangular to rounded, firm</p> <p>35-110 – <b>Possibly Alluvial</b> – Grayish brown with lenses of light gray (35-45 cmbs) and orange-ish brown (60-70 cmbs) (both present on north wall) medium to fine grained sandy silt, ~10% small to medium gravels, subangular to rounded, compact to very compact</p> <p>110-150 – <b>Weathered Glacial</b> – Gray coarse grained with some very coarse grained sand, ~20% small to medium gravels, subangular to subrounded, weak compaction</p> <p>Started auger at 80 cmbs. Water table at 140 cmbs.</p>	0-10 cmbs – 1 shard of green vessel glass
80	LF 015	563860 m E 5333300 m N	<p>0-32 – <b>Plow zone</b> – Light brown/tan silty-sand with grass and rootlets in first 5 cmbs, &lt;5% subangular gravels and pebbles</p> <p>32-67 – <b>Weathered Glacial</b> – Gray medium to coarse grained gray sand with 15% subangular to subrounded gravels</p> <p>67-140 – <b>Weathered Glacial</b> – Dark gray medium coarse grained clayey-sand, no gravels, wet, loose</p> <p>140-160 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, no gravels, wet, loose</p> <p>Started auger at 100 cmbs. Terminated at extent of auger.</p>	None
81	JG 038	563860 m E 5333260 m N	<p>0~40 – <b>Plow zone</b> – Light brownish gray fine grained sandy silt to loam, ~10% pebbles, dry, very firm to hard</p> <p>~40~65 – <b>Possibly Alluvial</b> – Light gray fine grained sandy silt, no gravels</p> <p>~65~85 – <b>Possibly Alluvial</b> – Gray fine to medium grained sand, damp, no gravels</p> <p>~85-105 – <b>Possibly Alluvial</b> – Light gray very fine grained sand with some silt, ~10% oxidation</p> <p>Started auger at 5 cmbs due to compaction. Unit was located in common farm road.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
82	IK 035	563820 m E 5333260 m N	<p>0-30 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~5% small to medium gravels, subangular to rounded, firm</p> <p>30-120 – <b>Alluvial</b> – Grayish brown to tan medium to fine grained sandy silt, ~1% small to medium gravels, subangular to rounded, compact to very compact</p> <p>120-150 – <b>Weathered Glacial</b> – Gray mostly coarse but some very coarse grained sand, ~1% small to medium gravels, subangular to subrounded, weak compaction</p> <p>Started auger at 90 cmbs. Water table at 140 cmbs.</p>	None
83	LF 016	563780 m E 5333260 m N	<p>0-34 – <b>Plow zone</b> – Light brown/tan silty-sand with grass and rootlets in first 5 cmbs, &lt;5% subangular gravels</p> <p>34-41 – <b>Weathered Glacial</b> – Band of light gray medium to coarse grained sand, 5% subangular gravels, loose</p> <p>41-125 – <b>Weathered Glacial</b> – Dark gray clayey-sand, no gravels, compact</p> <p>125-150 – <b>Unweathered Glacial</b> – Dark gray coarse grained sand with 5% subrounded to round gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Water table at 110 cmbs. Terminated in glacial materials.</p>	None
84	LF 017	563740 m E 5333260 m N	<p>0-33 – <b>Plow zone</b> – Light brown/tan silty-sand with grass and rootlets in first 5 cmbs, with 5% subangular gravels dispersed throughout</p> <p>33-78 – <b>Weathered Glacial</b> – Light gray medium to coarse grained sand with 5% subangular gravels, compact</p> <p>78-120 – <b>Weathered Glacial</b> – Dark gray clayey-sand with streaks of oxidized red-brown clayey-sand, no gravels, compact</p> <p>120-150 – <b>Weathered Glacial</b> – Dark gray coarse grained sand with 5% subrounded to round gravels and pebbles, wet, loose</p> <p>Water table at 115 cmbs. Started auger at 70 cmbs. Terminated in glacial materials.</p>	None

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85	LF 018	563690 m E 5333254 m N	<p>0-35 – <b>Plow zone</b> – Light brown silty-sand with grass and rootlets in first 5 cmbs and 1% subangular gravels throughout</p> <p>35-61 – <b>Weathered Glacial</b> – Light gray medium coarse grained sand with &lt;5% subangular to subrounded gravels, compact</p> <p>61-110 – <b>Weathered Glacial</b> – Dark gray clayey-sand, no gravels, compact</p> <p>110-150 – <b>Weathered Glacial</b> – Dark brown coarse grained sand with 20% subrounded to round gravels and pebbles, wet, loose</p> <p>Water table at 115 cmbs. Terminated at extent of auger, in possible glacial material.</p>	None
86	LF 019	563660 m E 5333260 m N	<p>0-29 – <b>Plow zone</b> – Dark brown silty-sand with grass and rootlets in first 5 cmbs, no gravels</p> <p>29-43 – <b>Possible Wetland Deposit</b> – Light gray clayey-silty-sand, no gravels, firm</p> <p>43-100 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sand with increasing quantity of subrounded to round gravels and pebbles (5-20%), well-sorted, wet, loose</p> <p>Water table at 100 cmbs. Terminated in glacial materials.</p>	None
87	LF 020	563620 m E 5333260 m N	<p>0-35 – <b>Plow zone</b> – Dark brown silty-sand with hay and rootlets in first 5 cmbs, streaks of ash in first 10 cmbs, and no gravels, compact</p> <p>35-52 – <b>Possible Wetland Deposit</b> – Light gray clayey-silty-sand, no gravels, firm</p> <p>52-100 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sand with increasing quantity of subrounded to round gravels and pebbles (5-20%), well-sorted, wet, loose</p> <p>Water table at 100 cmbs. Terminated in glacial materials.</p>	None
88	LF 021	563580 m E 5333260 m N	<p>0-31 – <b>Plow zone</b> – Light brown silty-sand with &lt;5% subangular to subrounded gravels throughout, and hay and rootlets in first 5 cmbs</p> <p>31-39 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, no gravels, loose</p> <p>39-47 – <b>Weathered Glacial</b> – Streak of oxidized red-brown clayey-silty-sand, no gravels</p> <p>47-72 – <b>Weathered Glacial</b> – Gray clayey-silty-sand, no gravels</p> <p>72-105 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sand with increasing quantity of subrounded to round gravels and pebbles (5-20%), well-sorted, wet, loose</p> <p>Water table at 100 cmbs. Terminated in glacial materials.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
89	JG 027	563540 m E 5333260 m N	0-36 – <b>Plow zone</b> – Light grayish brown (dry in top 23 cm) to dark brown (moist) fine grained sandy silt to silty loam, wavy, abrupt boundary 36-52 – <b>Likely Alluvial</b> – Light gray fine grained silty sand, firm to very firm, clear boundary 52-100 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, moist to wet, slightly firm  Water table at 92 cmbs.	0-50 cmbs – 1 small brown bottle glass shard, possibly from wall cleaning
90	JG 026	563500 m E 5333260 m N	0-11 – <b>Plow zone</b> – Light brownish gray fine grained sandy loam, dry 11-22 – <b>Relict Topsoil</b> – Dark brown silty loam, moist 22-37 – <b>Possibly Alluvial</b> – Brown fine grained silty sand, firm to very firm 37-44 – <b>Possibly Alluvial</b> – Gray fine grained silty sand, firm to very firm 44-70 – <b>Possibly Alluvial</b> – Gray fine grained sand, ~5% pebbles, slightly firm to firm 70-94 – <b>Possibly Alluvial</b> – Gray fine grained silty sand, ~20% oxidation, moist, firm to very firm 94-100 – <b>Possibly Alluvial</b> – Gray fine grained sandy silt, firm to very firm	None
91	JG 025	563460 m E 5333260 m N	0-33 – <b>Plow zone</b> – Grayish brown silt loam, 5-10% pebbles, angular to rounded, moist, firm 33-56 – <b>Possibly Alluvial</b> – Gray fine grained silty sand to sand, ~5% pebbles, firm to very firm 33-56 – <b>Weathered Glacial with Likely Bioturbation</b> - Light gray fine grained sand and dark brown loamy fine grained sand 56-92 – <b>Weathered Glacial</b> – Light gray to gray coarse grained sand, ~20% pebbles through cobbles, subangular to rounded, moist to wet, slightly firm	None
92	JG 024	563420 m E 5333260 m N	0-25 – <b>Plow zone</b> – Dark brown sandy silt – loam, damp, wavy, abrupt boundary 25-42 – <b>Possibly Alluvial</b> – Brownish gray to light gray fine grained sand, damp, slightly firm to firm, clear boundary 42-117 <b>Alluvial/Reworked Glacial?</b> Grayish brown medium to coarse grained sand, with increasing coarseness with depth, 5-10% pebbles to medium gravels, subangular to rounded, slightly firm  Started auger at 100 cmbs. Terminated on rocks.	None
93	Skipped	563180 m E 5333220 m N	Skipped due to man-made pond	
94	Skipped	563220 m E 5333220 m N	Skipped due to man-made pond	

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
95	Skipped	563260 m E 5333220 m N	Skipped due to man-made pond	
96	Skipped	563300 m E 5333220 m N	Skipped due to man-made pond	
97	Skipped	563340 m E 5333220 m N	Skipped due to man-made pond	
98	IK 030	563380 m E 5333220 m N	<p>0-45 – <b>Disturbed Glacial/Topsoil</b> – Medium brown to grayish brown medium to fine grained sand with trace silt, ~10% small to medium gravels, subrounded to rounded, loose</p> <p>45-120 – <b>Weathered Glacial</b> – Reddish to yellowish brown medium to coarse grained sand, ~20% small to medium gravels, subangular to subrounded, weak</p> <p>~120 – <b>Weathered Glacial</b> – Dark gray coarse to very coarse grained sand, ~20% small to large gravels, subangular to subrounded, weak compaction</p> <p>Started auger at 100 cmbs. Terminated due to rocks.</p>	None
99	IK 029	563420 m E 5333220 m N	<p>0-30 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~1% small to medium gravels, subrounded to rounded, firm</p> <p>30-50 – <b>Weathered Glacial</b> – Yellowish to yellowish brown medium to fine grained sand, ~20% small to large gravels, subangular to rounded, firm</p> <p>50-95 – <b>Weathered Glacial</b> – Dark yellowish brown medium to coarse grained sand, ~20% small to large gravels, subangular to rounded, firm</p> <p>95-120 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~20% small to large gravels, subangular to rounded, weak compaction</p> <p>Started auger at 100 cmbs. Terminated due to impassible rocks.</p> <p>Water table at 115 cmbs.</p>	None
100	IK 028	563460 m E 5333220 m N	<p>0-35 – <b>Plow zone</b> – Dark brown silty medium to fine grained sand, ~1% small to medium gravels, subrounded to rounded, weak compaction</p> <p>35-95 – <b>Weathered Glacial</b> – Dark yellowish brown medium to coarse grained sand, ~10% small to large gravels, subangular to subrounded, weak compaction</p> <p>95-110 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~20% small to large gravels, subangular to subrounded, weak</p> <p>Started auger at 100 cmbs. Terminated due to impassable rocks.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
101	IK 027	563500 m E 5333220 m N	0-20 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~1% small to medium gravels, subrounded to rounded, firm 20-90 – <b>Possibly Alluvial</b> – Gray to grayish brown silty medium grained sand, no rocks, very compact 90-100 – <b>Weathered Glacial</b> – Dark gray to dark grayish brown coarse grained sand, ~20% small to large gravels, subangular to subrounded, firm  Started auger at 40 cmbs due to compaction. Terminated due to rocks.	None
102	IK 026	563540 m E 5333220 m N	0-35 – <b>Plow zone</b> – Grayish brown silty medium to fine grained sand, ~1% small to medium gravels, subrounded to rounded, firm 35-90 – <b>Possibly Alluvial</b> – Gray to grayish brown silty and clayey medium to fine grained sand, no rocks, compact 90-120 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~5% small to medium gravels, subangular to subrounded, weak compaction  Started auger at 100 cmbs. Water table at 110 cmbs.	None
103	JG 045	563580 m E 5333220 m N	0-30 – <b>Plow zone</b> – Light brownish gray (dry) to grayish brown (damp) fine grained silty sand to loam, <10% rootlets, clear boundary 30-52 – <b>Likely Weathered Glacial</b> Very pale brown fine grained sand with some silt, damp, firm to very firm, gradual boundary (moisture related) 52-90 – <b>Weathered Glacial</b> – Gray fine grained sand with some silt, no gravels, ~20% oxidation, moist, firm to very firm 90-112 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~20% oxidation, slightly firm  Started auger at 77 cmbs due to narrowing caused by compaction. Water table at 107 cmbs.	None
104	JG 044	563620 m E 5333220 m N	0-34 – <b>Plow zone</b> – Light brownish gray fine grained silty sand, ~5% pebbles, subangular to rounded, 10-20% rootlets, dry, firm to very firm, irregular boundary 34-45 – <b>Disturbed/ Alluvial?</b> – Light gray fine grained sandy silt, no gravels, firm, clear boundary 34-57 – <b>Likely Weathered Glacial</b> – Gray fine grained silty sand, no gravels, moist, firm, clear boundary 57-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 30-40% oxidation, wet, slightly firm  Water table at 88 cmbs.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
105	JG 043	563660 m E 5333220 m N	<p>0-31 – <b>Plow zone</b> – Light brownish gray fine grained silty sand, ~5% pebbles, subangular to rounded, 10-20% rootlets, dry, firm to very firm, abrupt boundary</p> <p>31-39 – <b>Disturbed/ Alluvial?</b> – Light gray fine grained sandy silt, no gravels, firm, clear boundary</p> <p>39-48 – <b>Possible Wetland Deposit</b> – Dark brown silt with some fine grained sand, moist, very firm</p> <p>48-102 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with clumps of silty sand, 5-10% pebbles with increasing with depth, moist to wet, very firm to slightly firm</p> <p>Started auger at 50 cmbs due to compaction. Terminated on rock. Water table at 92 cmbs.</p>	None
106	JG 042	563700 m E 5333220 m N	<p>0-36 – <b>Plow zone</b> – Light brownish gray fine grained sandy silt to loam, ~10% pebbles, with pockets of light gray medium to coarse grained sand with silt, dry, firm to very firm</p> <p>36-37 – <b>Alluvial/ Displaced?</b> – Light gray medium to coarse grained sand with silt, firm to very firm</p> <p>37-69 – <b>Alluvial</b> – Gray fine grained sandy silt, damp, firm</p> <p>69-92 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, subangular to rounded, moist, soft</p> <p>Terminated in glacial.</p>	None
107	JG 041	563740 m E 5333220 m N	<p>0-31 – <b>Plow zone</b> – Light brownish gray fine grained sandy silt to loam, ~10% pebbles, dry, firm to very firm</p> <p>31-50 – <b>Alluvial</b> – Light gray fine grained sandy silt, no gravels</p> <p>50-90 – <b>Likely Alluvial</b> – Gray fine to medium grained sand, damp, no gravels</p> <p>90-105 – <b>Possibly Alluvial</b> – Light gray very fine grained sand with some silt, ~10% oxidation</p> <p>105-120 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, subangular to rounded, some oxidation, moist, soft</p>	None
108	JG 040	563780 m E 53332200 m N	<p>0-28 – <b>Plow zone</b> – Light brownish gray fine grained sandy silt to loam, ~10% pebbles, dry, firm to very firm</p> <p>28-63 – <b>Alluvial</b> – Light gray fine grained sandy silt, no gravels</p> <p>63-94 – <b>Possibly Alluvial</b> – Gray fine grained sand with some silt, no gravels, damp, firm</p> <p>94-115 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, subangular to rounded, moist, soft</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
109	IK 036	563820 m E 5333220 m N	<p>0-40 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~10% small to medium pebbles, subrounded to rounded, firm</p> <p>40-60 – <b>Possibly Alluvial</b> – Mix of light grayish brown silty medium to fine grained sand and gray medium to coarse grained sand, ~10% small to medium pebbles, subrounded to rounded, firm</p> <p>60-120 – <b>Possibly Alluvial</b> – Dark grayish brown medium to fine grained sandy silt, ~1% small to medium pebbles, subangular to rounded, compact to very compact</p> <p>120-155 – <b>Weathered Glacial</b> – Gray coarse grained sand with some very coarse grained sand, ~5% small to medium pebbles, subangular to subrounded, weak compaction</p> <p>Started auger at 90 cmbs. Water table at 145 cmbs.</p>	None
110	JG 039	563851 m E 5333226 m N	<p>0-27 – <b>Plow zone</b> – Brownish gray fine grained sandy silt to loam, ~5% pebbles, dry, very firm, abrupt boundaries</p> <p>27-55 – <b>Alluvial</b> – Light gray very fine grained sandy silt to silty sand, no gravels, very firm</p> <p>55-95 – <b>Likely Alluvial</b> – Light gray very fine to fine grained sand with some silt and some oxidation, damp to moist, firm</p> <p>95-120 – <b>Likely Weathered Glacial</b> – Gray fine to medium grained sand, mostly fine grained, with some silt, ~30% oxidation</p> <p>Started auger at 40 cmbs due to narrowing caused by compaction. Terminated in glacial.</p>	None
111	IK 037	563820 m E 5333180 m N	<p>0-35 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~5% small to medium pebbles, subangular to rounded, firm to compact</p> <p>35-100 – <b>Alluvial/Reworked Glacial?</b> – Gray to grayish brown silty medium to coarse grained sand, ~5% small to medium pebbles, subangular to rounded, compact</p> <p>100-150 – <b>Weathered Glacial</b> – Gray to reddish brown coarse grained sand grading to dark gray very coarse grained sand, ~20% small to medium pebbles, subangular to subrounded, weak compaction</p> <p>Started auger at 10 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
112	LF 022	563780 m E 5333180 m N	<p>0-36 – <b>Plow zone</b> – Brown sandy-loam with 5-10% subangular to subrounded gravels and pebbles throughout, grass and rootlets near surface, friable</p> <p>36-58 – <b>Possible Wetland Deposit</b> – Light gray/light brown fine grained clayey-sand increasing in coarseness with depth, no gravels, compact</p> <p>58-100 – <b>Weathered Glacial</b> – Light gray medium-coarse grained sand with 5% subangular to subrounded gravels</p> <p>100-150 – <b>Weathered Glacial</b> – Gray coarse grained sand with 40% subrounded to round gravels and pebbles</p> <p>Water table at 120 cmbs. Started auger at 100 cmbs. Terminated in glacial materials.</p>	None
113	LF 023	563740 m E 5333180 m N	<p>0-40 – <b>Plow zone</b> – Brown loam/loamy-sand with 10% subangular to sub round gravels and one rounded cobble, with grass and rootlets near surface, friable</p> <p>40-69 – <b>Weathered Glacial</b> – Light gray medium-coarse grained sand with &lt;5% gravels, band of oxidized sediments on western aspect (40-49 cmbs), somewhat loose</p> <p>69-100 – <b>Weathered Glacial</b> – Light gray fine grained clayey-sand increasing in coarseness with depth, no gravels, compact</p> <p>100-150 – <b>Weathered Glacial</b> – Gray coarse grained sand with 40% subrounded to round gravels and pebbles</p> <p>Water table at 140 cmbs. Started auger at 100 cmbs. Terminated in glacial materials.</p>	None
114	LF 024	563700 m E 5333180 m N	<p>0-38 – <b>Plow zone</b> – Brown loam/loamy-sand with 10% subangular to subrounded gravels and pebbles, with grass and rootlets near surface, friable</p> <p>38-67 – <b>Possible Wetland Deposit</b> – Light gray fine grained clayey-sand, no gravels, some small rootlets (38-50 cmbs), compact</p> <p>67-80 – <b>Weathered Glacial</b> – Light gray medium-coarse grained sand with 50% gravels</p> <p>80-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 20-30% subrounded to round gravels increasing in quantity with depth, wet, loose</p> <p>Terminated in glacial materials.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
115	LF 025	563660 m E 5333180 m N	0-34 – <b>Plow zone</b> – Brown loam/sandy-loam with 1% gravels and one rounded cobble, with grass and rootlets near surface, friable 34-55 – <b>Possible Wetland Deposit</b> – Light gray fine grained clayey-sand, no gravels, compact 55-76 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 5% gravels, wet, loose 76-100 – <b>Weathered Glacial</b> – Gray coarse sand grained with 30% subrounded to round gravels, pebbles, and a few cobbles, wet, loose  Terminated in glacial materials.	None
116	LF 026	563620 m E 5333180 m N	0-32 – <b>Plow zone</b> – Brown loam/sandy-loam with <1% subangular to subrounded gravels, with grass and rootlets near surface, friable 32-54 – <b>Possible Wetland Deposit</b> – Light gray fine grained clayey-sand with scattered inclusions of oxidized red-brown sediments, no gravels, compact, 54-72 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with <5% gravels, loose 72-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 20-30% subrounded to round gravels, wet, loose  Terminated in glacial materials.	None
117	LF 027	563580 m E 5333180 m N	0-33 – <b>Plow zone</b> – Brown silty-loam with <1% subangular to subrounded gravels, with grass and rootlets near surface, friable 33-60 – <b>Possible Wetland Deposit</b> – Light gray fine grained clayey-sand with scattered inclusions of oxidized red-brown sediments, no gravels, very compact 60-79 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand, no gravels 79-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 10-15% subrounded to round gravels and pebbles, wet, loose  Terminated in glacial materials.	None
118	LF 005	563540 m E 5333180 m N	0-7 – <b>Root zone</b> – Gray sandy topsoil with hay and rootlets 7-32 – <b>Plow zone</b> – Gray/brown silty sand, no gravels, compact 32-65 – <b>Weathered Glacial</b> – Gray clayey-sand with streaks of red-brown oxidized sediments throughout, loose 65-100 – <b>Weathered Glacial</b> – Gray clayey-sand with streaks of red-brown oxidized sediments throughout and 40% subangular to subrounded gravels and pebbles, loose  Terminated in glacial materials.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
119	LF 006	563500 m E 5333180 m N	0-6 – <b>Root zone</b> – Gray sandy topsoil with hay and rootlets 6-36 – <b>Plow zone</b> – Dark brown silty-sand, no gravels, compact 36-65 – <b>Weathered Glacial</b> – Gray medium coarse grained sand with <5% subangular to subrounded gravels and pebbles 65-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 40% subrounded to round cobbles, pebbles, and gravels, wet, loose  Terminated in glacial materials.	None
120	LF 007	563460 m E 5333180 m N	0-4 – <b>Root zone</b> – Dark brown sandy top soil with hay and rootlets 4-24 – <b>Plow zone</b> – Dark brown, loose loamy-sand, no gravels 24-47 – <b>Weathered Glacial</b> – Light gray medium coarse grained sand with <1% subangular to subrounded gravels 47-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 30% subangular to subrounded gravels and pebbles, wet, loose,  Water table at 100 cmbs. Terminated in glacial materials.	None
121	LF 008	563420 m E 5333180 m N	0-3 – <b>Root zone</b> – Light brown, sandy topsoil with hay and rootlets 3-37 – <b>Plow zone</b> – Dark brown, loose loamy-sand, no gravels 37-45 – <b>Likely Weathered Glacial</b> – Streak of red-brown oxidized loamy-sand, no gravels 45-77 – <b>Weathered Glacial</b> – Gray medium coarse grained sand with 5% subangular to subrounded gravels, compact 77-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15-20% subangular to subrounded gravels and pebbles, loose  Terminated in glacial materials.	None
122	LF 009	563380 m E 5333180 m N	0-6 – <b>Root zone</b> – Light brown loamy topsoil with hay and rootlets 6-28 – <b>Plow zone</b> – Dark brown loamy-sand with 5% subangular to subrounded gravels, loose 28-47 – <b>Weathered Glacial</b> – Gray medium coarse grained sand with 10% subangular to subrounded gravels, loose 47-75 – <b>Weathered Glacial</b> – Red-gray coarse grained sand, oxidized, with 20% subangular to round gravels, pebbles, and few cobbles, wet, loose  Terminated in glacial materials.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
123	LF 010	563340 m E 5333180 m N	0-3 – <b>Root zone</b> – Grass and moss in light brown loamy topsoil 3-31 – <b>Plow zone</b> – Dark brown loamy-sand with streaks and clumps of red-brown oxidized sediments and 5% subangular to subrounded gravels and pebbles throughout, loose 31-53 – <b>Weathered Glacial</b> – Red-gray medium coarse grained sand with 10% subangular to subrounded gravels and pebbles 53-80 – <b>Weathered Glacial</b> – Red-gray coarse grained sand with 30% subangular to round gravels and pebbles with few cobbles, wet, loose  Terminated in glacial materials.	None
124	LF 011	563300 m E 5333180 m N	0-13 – <b>Root zone</b> – Light brown/gray silty sand topsoil with grass and rootlets 13-32 – <b>Plow zone</b> – Dark brown loam/loamy sand with 5% subangular to subrounded gravels 32-63 – <b>Weathered Glacial</b> – Gray medium coarse grained sand with 15% subangular to subrounded gravels 63-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 50% gravels and pebbles, with few cobbles, wet, loose  Water table at 87 cmbs. Terminated in glacial materials.	None
125	LF 012	563260 m E 5333180 m N	0-9 – <b>Root zone</b> – Light brown/gray silty-sand topsoil with grass and rootlets 9-30 – <b>Plow zone</b> – Dark brown loam/loamy-sand with 15% subangular gravels 30-65 – <b>Weathered Glacial</b> – Red-gray medium coarse grained sand with 15% subangular to subrounded gravels 65-85 – <b>Weathered Glacial</b> – Red-gray coarse grained sand with 30% subangular to subrounded gravels and pebbles, wet, loose 85-105 – <b>Weathered Glacial</b> – Gray coarse grained sand with 50% subrounded to round gravels and pebbles, wet, loose  Water table at 95 cmbs. Terminated in glacial materials.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
126	LF013	563220 m E 5333180 m N	<p>0-4 – <b>Root zone</b> – Dark brown loamy topsoil with grass and rootlets</p> <p>4-37 – <b>Plow zone</b> – Dark brown loam/loamy sand, no gravels</p> <p>37-78 – <b>Weathered Glacial</b> – Red-brown medium coarse grained sand with 10% subangular to subrounded gravels and pebbles, wet</p> <p>78-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand with 30% subrounded to round gravels and pebbles, wet, loose</p> <p>Water table at 85 cmbs. Terminated in glacial materials.</p>	None
127	JG 036	563179 m E 5333166 m N	<p>0-10 – <b>Developing Topsoil and Import</b> – Dark brown loamy fine grained sand, ~30% gravels, angular to rounded, and quarry stone, firm</p> <p>10-36 – <b>Import/ Fill</b> – Grayish brown to brownish gray fine to medium grained sand, ~30% gravels, angular to rounded, very firm to hard</p> <p>36-48 – <b>Disturbed Topsoil and Import</b> – Dark brown fine grained sandy loam, 20-30% gravels, rounded to subangular, very firm</p> <p>48-50 – <b>Relict Topsoil</b> – Dark brown loam, firm</p> <p>50-85 – <b>Alluvial</b> – Light brown fine grained sand with silt, ~5% pebbles</p> <p>85-125 – <b>Alluvially Reworked Glacial</b> – Light brown to brown fine to medium grained sand with increasing coarseness with depth, 10-20% pebbles to small gravels, subangular to rounded</p> <p>125-140 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded</p> <p>Moved due to beaver/man-made pond. Started auger at 55 cmbs due to narrowing caused by compaction. Water table at 105 cmbs.</p>	<p>20-35 cmbs – 1 brown bottle glass shard</p> <p>35-50 cmbs – 1 small clear glass shard, 1 small piece Styrofoam-like packaging</p>
128	Skipped	563180 m E 5333140 m N	Skipped due to obstacles/beaver pond	

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
129	IK 031	563220 m E 5333140 m N	<p>0-20 – <b>Plow zone</b> – Gray to yellowish brown medium to fine grained sand, trace silt, ~5% small to medium gravels, subangular to subrounded, weak compaction</p> <p>20-45 – <b>Possibly Alluvial</b> – Dark brown medium to fine grained sandy silt, ~5% small to medium gravels, subangular to subrounded (Alluvial)</p> <p>45-100 – <b>Weathered Glacial?</b> – Gray medium to coarse grained sand to silty sand, ~10% small to medium gravels, subangular to subrounded, weak compaction (Alluvial)</p> <p>100-120 – <b>Weathered Glacial</b> – Gray coarse grained sand, ~20% small to medium gravels, subangular to subrounded, weak compaction</p> <p>Started auger at 100 cmbs. Water table at 95 cmbs.</p>	None
130	JG 035	563259 m E 5333133 m N	<p>0-37 – <b>Plow zone</b> – Very dark brown fine grained sandy loam, ~5% pebbles, moist, firm</p> <p>37-52 – <b>Potential dredge materials</b> – pockets of Dark gray fine to medium grained sand and Very dark brown silt with some sand, moist, firm to very firm</p> <p>52-100 – <b>Weathered Glacial</b> – Brownish gray to gray medium to coarse grained sand with increasing gravel content with depth from ~5% to 20% pebbles to small gravels, subangular to rounded</p> <p>100-120 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~20% pebbles to small gravels, subangular to rounded</p> <p>Started auger at 90 cmbs. Water table at 84 cmbs.</p>	None
131	JG 034	563300 m E 5333140 m N	<p>0-37 – <b>Plow zone</b> – Very dark brown fine grained sandy loam, ~5% pebbles, moist, firm</p> <p>37-50 – <b>Possibly Creek Dredge Materials</b> – Dark gray fine to medium grained sand</p> <p>50-55 – <b>Relict Topsoil</b> – Very dark brown silt with some sand, moist, firm to very firm</p> <p>55-60 – <b>Weathered Glacial</b> – Dark gray fine to medium grained sand</p> <p>60-110 – <b>Weathered Glacial</b> – Brownish gray to gray medium to coarse grained sand with increasing gravel content with depth from ~5% to 20% pebbles to small gravels, subangular to rounded</p> <p>110-140 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~20% pebbles to small gravels, subangular to rounded</p> <p>Started auger at 90 cmbs. Terminated in Glacial. Water table at 88 cmbs.</p>	0-40 cmbs – small piece red painted metal, possibly thin sheet of metal

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
132	JG 033	563340 m E 5333140 m N	0-29 – <b>Plow zone</b> – Very dark brown fine grained sandy loam, ~5% pebbles, moist, firm 29-71 – <b>Likely Alluvial</b> – Brown to grayish brown fine grained sand with some silt with increasing grained size with depth, becoming fine to medium grained sand by 70 cmbs 71-115 – <b>Alluvially/Reworked Glacial</b> – Brownish gray to gray medium to coarse grained sand with increasing gravel content with depth from ~5% to 20% pebbles to small gravels, subangular to rounded  Started auger at 90 cmbs. Terminated on rock Water table at 83 cmbs.	None
133	JG 032	563380 m E 5333140 m N	0-31 – <b>Plow zone</b> – Very dark brown medium grained sandy loam, ~5% pebbles, subangular to rounded, moist, firm 31-59 – <b>Possibly Alluvial</b> – Gray fine grained sand, some silt, moist, firm 59-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles and some gravels, subangular to rounded, slightly firm	None
134	JG 031	563422 m E 5333150 m N	0-35 – <b>Plow zone</b> – Dark grayish brown fine grained sandy loam to loamy sand, ~5% pebbles, subangular to rounded, few rootlets, damp, firm 35-62 – <b>Possibly Alluvial</b> – Gray to light gray fine grained sandy with some silts, few pebbles, damp, firm to very firm 62-85 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10-20% pebbles, subangular to rounded, slightly firm	None
135	JG 030	563461 m E 5333148 m N	0-36 – <b>Plow zone</b> – Grayish brown loamy fine grained sand, <5% pebbles, subangular to rounded, dry to damp 36-76 – <b>Possibly Alluvial</b> – Light gray (damp) to gray (moist) fine grained sand with some silts, few pebbles, firm to very firm 76-100 – <b>Unweathered Glacial</b> – Dark gray medium to coarse grained sand, 20-30% pebbles to small gravels, subangular to rounded, soft to slightly firm  Located near old Geo-tech pit scar. Unit shifted to avoid disturbance.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
136	JG 029	563504 m E 5333149 m N	0-22 – <b>Plow zone</b> – Light grayish brown silt loam, dry, firm 22-58 – <b>Possibly Alluvial</b> – Light gray fine grained sandy silt, dry, very firm 58-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% pebbles to gravels, subangular to rounded 100-110 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with clay 110-132 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to gravels, subangular to rounded  Started auger at 28 cmbs due to compaction. Terminated due to rock Water table at 106 cmbs.	None
137	JG 028	563539 m E 5333147 m N	0-32 – <b>Possible Creek dredge</b> – Grayish brown sandy silt to loam, dry 24-32 – <b>Possible Creek dredge</b> – pocket of Light gray medium to very coarse grained sand, firm to very firm 32-55 – <b>Relict topsoil/Wetland deposit</b> – Dark brown silt loam, firm to very firm 55-100 – <b>Possibly Alluvial</b> – Light gray fine grained silty sand with ~20% oxidation, very firm 100-150 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% pebbles, ~20% oxidation  Started auger 50 cmbs due to compaction. Water table at 140 cmbs.	None
138	DC 028 (6-2)	563580 m E 5333140 m N	0-35 – <b>Plow zone</b> – Grayish brown loamy sand to sandy loam, moderately to well sorted, moderately compact 35-80 – <b>Likely Alluvial</b> – Very light gray clay to sandy clay and fine sand, moderately to well sorted, compact 80-100 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, moderately to well sorted, loose 100-130 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~10% small gravels (gravels), loose	None
139	DC 027 (5-2)	563620 m E 5333140 m N	0-35 – <b>Plow zone</b> – Grayish brown clay loam, moderately to well sorted, friable 35-60 – <b>Likely Alluvial</b> – Very pale gray clay to sandy clay and sand, some orange mottling, well to moderately sorted, compact 60-80 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% small gravels, moderately sorted, loose 80-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, 10-15% small gravels, moderately sorted, loose	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
140	DC 026 (4-2)	563660 m E 5333140 m N	0-30 – <b>Plow zone</b> – Grayish brown clay loam to sandy clay loam, moderately to well sorted, friable 30-65 – <b>Likely Alluvial</b> – Very pale gray clay to sandy clay, and sand, well to moderately sorted, compact 65-100 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, ~10% small gravels, moderately sorted	None
141	DC 025 (3-2)	563700 m E 5333140 m N	0-30 – <b>Plow zone</b> – Grayish brown clay loam to sandy clay loam, moderately to well sorted, highly compacted 40-70 – <b>Likely Alluvial</b> – Very pale gray clay to sandy clay, mottled with orange, well sorted, compact 70-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% gravels, moderately sorted, loose	None
142	DC 024 (2-2)	563740 m E 5333140 m N	0-30 – <b>Plow zone</b> – Gray to grayish brown loamy sand, fine, moderately to well sorted, lightly compacted 30-40 – <b>Possibly Alluvial</b> – Very pale gray fine grained sand, <5% pebble, moderately sorted, compact 40-70 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, 5-10% gravels, moderately well sorted, friable 70-100 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, ~10% gravels, moderately sorted	None
143	DC 023 (1-2)	563780 m E 5333140 m N	0-30 – <b>Plow zone</b> – Gray to grayish brown loamy sand, fine sized, moderately well sorted, lightly compacted 30-45 – <b>Likely Alluvial</b> – Gray sandy loam, fine grained sand, signs of orange mottling, moderately to well sorted, compact 45-100 – <b>Likely Weathered Glacial</b> – Gray fine to medium grained sand, 5-10% gravels, moderately sorted, friable	None
144	IK 038	563820 m E 5333140 m N	0-60 – <b>Plow zone and Alluvial Materials under Compacted Farm Road</b> – Light grayish brown medium to fine grained sandy silt, ~5% small to medium pebbles, subangular to rounded, very compact 60-90 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray to grayish brown medium to coarse grained sand, ~10% small to medium pebbles, subangular to subrounded, firm 90-115 – <b>Weathered Glacial</b> – Dark grayish brown coarse grained sand, ~20% small to medium pebbles, subangular to subrounded, firm	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
145	JG 046	563780 m E 5333100 m N	0-29 – <b>Plow zone</b> – Light grayish brown sandy silt to silt loam, <1% pebbles, subangular to sub-rounded, ~10% rootlets, very dry, firm, abrupt irregular boundary 29-53 – <b>Likely Alluvial</b> – Pale yellow to very light gray fine grained sand with some medium grained sand and some silts, no gravels, firm, gradual boundary 53-85 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, no gravels, damp, firm to very firm 85-100 – <b>Weathered Glacial</b> – Light gray medium grained sand with some fine and coarse grained sand, ~5% pebbles subangular to rounded, firm to slightly firm	None
146	JG 047	563740 m E 5333100 m N	0-35 – <b>Plow zone</b> – Light grayish brown sandy silt to silt loam, <1% pebbles, subangular to sub-rounded, ~10% rootlets, very dry, firm, abrupt irregular boundary 35-57 – <b>Likely Alluvial</b> – Pale yellow to very light gray fine grained sand with some medium grained sand and some silts, no gravels, very firm to hard, gradual boundary 57-70 – <b>Likely Weathered Glacial</b> – Light gray fine to medium grained sand, no gravels, damp, firm to very firm 70-107 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, damp, firm to slightly firm  Started auger at 44 cmbs due to compaction.	None
147	JG 048	563700 m E 5333100 m N	0-27 – <b>Plow zone</b> – Light grayish brown sandy silt to silt loam, <1% pebbles, subangular to sub-rounded, ~10% rootlets, very dry, firm, abrupt irregular boundary 27-60 – <b>Alluvial</b> – Light gray to pale yellowish brown fine grained sandy silt to silt with some sand, ~20% oxidation, firm to very firm 60-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained, ~5% pebbles, ~20% oxidation increasing to ~40% by base, wet, firm to slightly firm  Started auger at 46 cmbs due to compaction.	None
148	JG 049	563660 m E 5333100 m N	0-37 – <b>Plow zone</b> – Light grayish brown sandy silt to silt loam, <1% pebbles, subangular to sub-rounded, ~10% rootlets, very dry, firm, abrupt irregular boundary 37-45 – <b>Likely Alluvial</b> – Pale yellow to very light gray fine grained sand with some medium grained sand and some silts, no gravels, firm, gradual boundary 45-70 – <b>Weathered Glacial?</b> – Light gray medium grained sand with fine grains and some silt, some oxidation, dry to ~51 cmbs then moist, firm 70-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, wet, firm	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmb])	Cultural Materials Found
149	JG 050	563620 m E 5333100 m N	0-32 – <b>Plow zone</b> – Light grayish brown sandy silt to silt loam, <1% pebbles, subangular to sub-rounded, ~10% rootlets, very dry, firm, abrupt irregular boundary 32-46 – <b>Weathered Glacial?</b> – Light gray fine grained sand with some silt and medium grained sand, ~10% pebbles to small gravels, subangular to subrounded, dry, firm 46-86 – <b>Weathered Glacial</b> – Gray medium grained sand, ~20% pebbles to small gravels, subangular to subrounded, moist, firm	None
150	JG 051	563580 m E 5333100 m N	0-25 – <b>Plow zone</b> – Brown to dark brown fine grained sandy loam to silt loam, ~10% rootlets, no gravels, damp, firm 25-48 – <b>Likely Alluvial</b> – Light gray fine grained sandy silt to silty sand, <10% oxidation, ~5% rootlets, firm 48-74 – <b>Possibly Alluvial</b> – Gray fine grained sand with some silt and medium grained sand, ~10% pebbles to small gravels, subangular to subrounded, dry, firm 74-100 – <b>Likely Weathered Glacial</b> – Gray medium grained sand, ~20% pebbles to small gravels, subangular to subrounded, moist, firm	None
151	JG 052	563540 m E 5333100 m N	0-31 – <b>Plow zone</b> – Light grayish brown sandy silt to silt loam, <1% pebbles, subangular to sub-rounded, ~10% rootlets, very dry, firm, abrupt irregular boundary 31-56 – <b>Possibly Alluvial</b> – Light gray fine grained sand with some silt and medium grained sand, ~10% pebbles to small gravels, subangular to subrounded, dry, firm 56-87 – <b>Weathered Glacial</b> – Gray medium grained sand, ~20% pebbles to small gravels, angular to rounded, moist, firm 87-95 – <b>Weathered Glacial</b> – Brownish gray medium to coarse grained sand, 40-50% pebbles to medium gravels, angular to rounded, moist to wet, firm  Terminated on gravels.	None
152	DC 029 (7-2)	563500 m E 5333100 m N	0-30 – <b>Plow zone</b> – Grayish brown loam, moderately to well sorted, friable 30-50 – <b>Likely Alluvial</b> – Light gray clay to silty clay, mottled with orange, well sorted, compact 50-70 – <b>Likely Weathered Glacial</b> – Gray fine to medium grained sand, moderately well sorted, damp, loose 70-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, 5-10% small gravels, moderately sorted, wet, loose	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
153	DC 030 (8-2)	563460 m E 5333100 m N	0-20 – <b>Plow zone</b> – Brown loam, moderately to well sorted, friable 20-40 – <b>Likely Alluvial</b> – Light gray silty clay and silt, mottle with orange, well sorted, compact 40-70 – <b>Likely Weathered Glacial</b> – Gray fine to medium grained sand, moderately well sorted, damp, loose 70-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, 5-10% small gravels, moderately sorted, wet, loose	None
154	JG 053	563420 m E 5333100 m N	0-29 – <b>Plow zone</b> – Dark brown silt loam, ~5% rootlets, no gravels, damp, firm 29-45 – <b>Possibly Alluvial</b> – Weathered Glacial – Light gray fine grained sand with some silt and medium grained sand, <5% pebbles to small gravels, subangular to subrounded, dry, firm 45-77 – <b>Weathered Glacial</b> – Gray medium grained sand, <10% pebbles to small gravels, subangular to subrounded, moist, firm 77-100 – <b>Weathered Glacial</b> – Brownish gray medium to coarse grained sand, <10% pebbles to medium gravels, angular to rounded, wet, firm  Water table at base.	None
155	DC 031 (9-2)	563380 m E 5333100 m N	0-20 – <b>Plow zone</b> – Black loam, some wood debris, moderately to well sorted, friable 30-85 – <b>Possibly Alluvial</b> – Brown to dark brown fine to medium grained sand, becomes medium to coarse grained by 60 cmbs, 5-10% small gravels, moderately sorted, loose 85-130 – <b>Alluvially/Reworked Glacial?</b> – Grayish brown coarse grained sand, ~15% small gravels with emergence of ~5% medium to large gravels, moderately sorted, loose	None
156	JG 054	563340 m E 5333100 m N	0-30 – <b>Plow zone</b> – Dark brown silt loam, ~5% rootlets, no gravels, damp, firm 30-50 – <b>Possibly Alluvial</b> – Grayish brown fine to medium grained sand, some silts, no gravels, moist, firm 50-115 – <b>Alluvially/Reworked Glacial?</b> – Grayish brown medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, moist to wet, slightly firm 115-126 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, wet, slightly firm  Started auger at 85 cmbs due to narrowing. Terminated in glacial. Water table at 85 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
157	DC 032 (10-2)	563300 m E 5333100 m N	0-30 – <b>Plow zone</b> – Brown to grayish brown sandy loam, moderately well sorted, friable 30-100 – <b>Weathered Glacial</b> – Gray to dark gray coarse grained sand, ~10% small to large gravels, poorly sorted, loose  Water table at 95 cmbs.	None
158	DC 033 (11-2)	563260 m E 5333100 m N	0-30 – <b>Plow zone</b> – Brown to grayish brown sandy loam, moderately well sorted, friable 30-100 – <b>Likely Weathered Glacial</b> – Gray fine to medium grained sand, 5-10% small gravels	None
159	DC 034 (12-2)	563220 m E 5333100 m N	0-30 – <b>Plow zone</b> – Brown sandy loam, 5-10% gravels, moderately sorted, friable 30-60 – <b>Likely Weathered Glacial</b> – Gray fine to medium grained sand, ~10% small gravels, moderately sorted, loose 60-90 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~20% small to large pebbles, moderately to poorly sorted, loose	None
160	DC 035 (13-2)	563180 m E 5333100 m N	0-30 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 30-100 – <b>Likely Weathered Glacial</b> – Gray fine to medium grained sand, ~10% small gravels, moderately sorted, loose	None
161	LF 032	563180 m E 5333060 m N	0-31 – <b>Plow zone</b> – Dark brown loam/loamy sand with 1% subangular to subrounded gravels and pebbles, with grass and rootlets near surface, friable 31-110 – <b>Likely Weathered Glacial</b> – Red-brown sand increasing in coarseness with depth, 1-5% subangular to round gravels and pebbles, loose 110-140 – <b>Weathered Glacial</b> – Gray coarse grained sand with 30% subrounded to round gravels and pebbles, wet, loose  Water table at 110 cmbs. Started auger at 100 cmbs. Terminated in glacial materials.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
162	JG 056	563220 m E 5333060 m N	<p>0-28 – <b>Plow zone</b> – Grayish brown sandy silt to silt loam, &lt;5% pebbles, damp, firm to very firm</p> <p>28-47 – <b>Possibly Alluvial</b> – Light gray fine grained sand with some silt, ~5% pebbles, subangular to rounded, firm to very firm</p> <p>47-85 – <b>Likely Weathered Glacial</b> – Gray fine to medium grained sand, 5-10% pebbles, subangular to rounded, moist, firm</p> <p>85-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% pebbles, subangular to rounded, wet, firm to slightly firm</p> <p>Water table at 95 cmbs.</p>	None
163	LF 031	563260 m E 5333060 m N	<p>0-39 – <b>Plow zone</b> – Dark brown loam/loamy-sand with 1% subangular to subrounded gravels and pebbles, with grass and rootlets near surface, friable</p> <p>39-100 – <b>Likely Weathered Glacial</b> – Red-brown medium-coarse grained sand with 5% subangular to round gravels and pebbles, oxidized, loose</p> <p>100-130 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15% subrounded to round gravels and pebbles, wet, loose</p> <p>Water table at 100 cmbs. Started auger at 100 cmbs. Terminated in glacial materials.</p>	None
164	JG 055	563300 m E 5333060 m N	<p>0-31 – <b>Plow zone</b> – Dark brown silt loam, ~5% rootlets, damp, firm to slightly firm</p> <p>31-80 – <b>Likely Alluvial</b> – Grayish brown fine to medium grained sand, some silts, no gravels, moist, firm, gradual boundary</p> <p>80-140 – <b>Alluvially/reworked glacial?</b> – Grayish brown medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, moist to wet, slightly firm, gradually changing to blue gray/gray</p> <p>Started auger 100 cmbs. Terminated on a rock. Water table at ~90 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
165	LF 030	563340 m E 5333060 m N	<p>0-43 – <b>Plow zone</b> – Dark brown loam and loamy-sand with pockets of oxidized red-brown loamy-sand and 1-5% subangular to subrounded gravels, with grass and rootlets near surface</p> <p>43-62 – <b>Weathered Glacial</b> – Red-brown fine to medium-coarse grained sand/clayey-sand with 1% subangular to subrounded gravels</p> <p>62-75 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 10% subangular to subrounded gravels, pebbles, and one rounded cobble, loose</p> <p>75-100 – <b>Weathered Glacial</b> – Red-brown medium-coarse grained sand with increasing gravel and pebble content (5-15%), oxidized, wet, loose</p> <p>100-120 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15-20% subrounded to round gravels and pebbles, wet, loose</p> <p>Water table at 92 cmbs. Terminated in glacial materials and due to instability of stratigraphy as a result of water saturation.</p>	None
166	LF 029	563380 m E 5333060 m N	<p>0-40 – <b>Plow zone</b> – Brown silty-loamy-sand, no gravels, with a band of fine rootlets at approximately 40-50 cmbs, with grass and rootlets near surface, friable</p> <p>40-56 – <b>Weathered Glacial</b> – Red-brown sand, clumpy, wet</p> <p>56-74 – <b>Weathered Glacial</b> – Red/dark brown medium-coarse grained clayey-sand with 5 cm wide band of charcoal on northern aspect at 56-58 cmbs [Charcoal may reference concreted sand seen in later units]</p> <p>74-100 – <b>Weathered Glacial</b> – Red/dark brown fine grained clayey-sand, oxidized</p> <p>100-120 – <b>Weathered Glacial</b> – Oxidized red-brown coarse grained sand with &lt;5% subangular to subrounded gravels</p> <p>120-140 – <b>Weathered Glacial</b> – Red-gray coarse grained sand, oxidized, with 30% subrounded to round gravels and pebbles</p> <p>Water table at 120 cmbs. Terminated in glacial materials.</p>	None
167	IK 047	563420 m E 5333060 m N	<p>0-30 – <b>Plow zone</b> – Medium to dark brown silty medium to fine grained sand, ~1% small gravels, subrounded to rounded, weak</p> <p>30-110 – <b>Likely Weathered Glacial</b> – Gray to light yellowish brown medium to coarse grained sand, trace silt, ~5% at the top grading to ~30% by the bottom small to medium gravels, subangular to rounded, weak compaction</p> <p>110-150 – <b>Weathered Glacial</b> – Dark gray to dark grayish brown coarse to very coarse grained sand, ~30% small to medium gravels, subangular to rounded, weak compaction</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
168	LF 028	563460 m E 5333060 m N	0-30 – <b>Plow zone</b> – Brown, friable, loam/sandy-loam with <1% gravels, with grass and rootlets near surface 30-47 – <b>Weathered Glacial</b> – Light gray clayey-sand with scattered inclusions of oxidized red-brown sediment, no gravels, compact 47-72 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained sand with <1% gravels, loose 72-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 20% subrounded to round gravels and pebbles, wet, loose  Terminated in glacial materials.	None
169	IK 046	563500 m E 5333060 m N	0-30 – <b>Plow zone</b> – Medium brown to grayish brown silty medium to fine grained sand, ~1% small gravels, subrounded to rounded, firm 30-60 – <b>Possibly Alluvial</b> – Gray fine grained sandy silt with orange mottles, no gravels, compact 60-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% small gravels, subrounded to rounded, weak 100-150 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~20% small to medium gravels, subangular to rounded, weak  Started auger at 100 cmbs. Water table at 110 cmbs.	None
170	IK 045	563540 m E 5333060 m N	0-40 – <b>Plow zone</b> – Medium to dark brown silty medium to fine grained sand, ~5% small gravels, subrounded to rounded, firm 40-110 – <b>Weathered Glacial</b> – Gray to yellowish brown medium to coarse grained sand, ~5% small gravels subrounded to rounded, weak 110-140 – <b>Weathered Glacial</b> – Dark gray coarse to very coarse grained sand, ~30% small to large gravels, subangular to rounded, weak  Started auger at 100 cmbs. Water table at 120 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
171	IK 044	563580 m E 5333060 m N	<p>0-35 – <b>Plow zone</b> – Grayish brown silty medium to fine grained sand, ~5% small gravels, subrounded to rounded, compact</p> <p>35-100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray medium to coarse grained sandy silt grading to sand, ~40% small to medium gravels, subangular to rounded, firm</p> <p>100-135 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sand, ~40% small to large gravels, subangular to rounded, weak</p> <p>Started auger at 100 cmbs. Water table at 120 cmbs.</p>	None
172	IK 043	563620 m E 5333060 m N	<p>0-30 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~5% small gravels, subrounded to rounded, compact</p> <p>30-70 – <b>Alluvial</b> – Light gray to light yellowish brown silt to medium to fine grained sandy silt, no rocks, very compact</p> <p>70-130 – <b>Weathered Glacial</b> – Yellowish to grayish brown medium to coarse grained sand, ~10% small to medium gravels, subangular to rounded, firm</p> <p>130-150 – <b>Weathered Glacial</b> – Dark gray coarse to very coarse grained sand, ~30% small to large pebbles, subangular to rounded, firm</p> <p>Started auger at 35 cmbs. Water table at 130 cmbs.</p>	None
173	IK 042	563660 m E 5333060 m N	<p>0-30 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~10% small gravels, subrounded to rounded, compact</p> <p>30-80 – <b>Alluvial</b> – Light yellowish brown silt to silt loam with orange mottles, no rocks, very compact</p> <p>80-130 – <b>Weathered Glacial</b> – Reddish brown grading to yellowish brown and gray medium to coarse grained sand, ~20% small to medium gravels, subangular to rounded, weak compaction</p> <p>130-150 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~20% small to medium gravels, subangular to rounded, weak compaction</p> <p>Started auger 60 cmbs. Water table at 140 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
174	IK 041	563700 m E 5333060 m N	0-30 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~10% small to medium gravels, subrounded to rounded, compact 30-75 – <b>Alluvial</b> – Light gray silt to medium to fine grained sandy silt, no rocks, very dense 75-90 – <b>Weathered Glacial</b> – Grayish brown medium to coarse grained sand, ~40% small to medium gravels, subangular to rounded, firm  Started auger at 35 cmbs. Terminated at 90 due to impassible rocks.	None
175	IK 040	563740 m E 5333060 m N	0-30 – <b>Plow zone</b> – Light grayish brown silty medium to fine grained sand, ~5% small to medium gravels, subrounded to rounded, compact 30-65 – <b>Alluvial</b> – Light gray silt to medium to fine grained sandy silt, no rocks, very compact 65-100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Grayish brown medium to coarse grained sand, ~40% small to medium gravels, subangular to rounded, firm  Started auger at 40 cmbs. Terminated due to impassible rocks.	None
176	IK 039	563780 m E 5333060 m N	0-25 – <b>Plow zone</b> – Light grayish brown medium to fine grained sandy silt, ~10% small to medium gravels, subrounded to rounded, very compact 25-120 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~40% small to medium gravels, subangular to rounded, weak compaction 120-150 – <b>Weathered Glacial</b> – Dark gray coarse to very coarse grained sand, ~40% small to large gravels, subangular to rounded, weak  Started auger at 100 cmbs. Water at 140 cmbs.	None
177	LF 047	563740 m E 5333020 m N	0-29 – <b>Plow zone</b> – Light brown silt/sand/loam with <1% subangular to subrounded gravels and pebbles, firm 29-57 – <b>Possible Wetland Deposit</b> – Light gray silt, no gravels, compact 57-70 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 1-5% subangular to subrounded gravels and pebbles (increasing in concentration with depth), dry, loose 70-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 10% subangular to round gravels and pebbles, wet, loose  Terminated in glacial materials.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
178	LF 046	563700 m E 5333020 m N	0-26 – <b>Plow zone</b> – Tan/light brown silt/loam/sand with <1% subangular to subrounded gravels, firm 26-50 – <b>Likely Alluvial</b> – Light gray silt with 1% subangular to subrounded gravels, compact 50-88 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained sand with 1% subangular to round gravels; small amounts of oxidized sediments distributed throughout give reddish tint, dry, loose (alluvial) 88-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% subrounded to round gravels and pebbles, wet, loose (glacial)  Terminated in glacial materials.	None
179	LF 045	563660 m E 5333020 m N	0-26 – <b>Plow zone</b> – Light brown/tan silt/loam/sand, no gravels, hay at rootlets at surface, compact 26-45 – <b>Likely Alluvial</b> – Light gray silty-sand, no gravels, compact 45-75 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with <1% subangular to round gravels and pebbles, loose 75-105 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% subrounded to round gravels and pebbles, loose  Terminated in glacial materials.	None
180	LF 044	563620 m E 5333020 m N	0-4 – <b>Field Burn Layer</b> – Black sediment/ash with hay and rootlets (burn layer, potentially from field clearing) 4-29 – <b>Plow zone</b> – Light brown/tan silt/loam/sand, no gravels, compact 29-46 – <b>Likely Alluvial</b> – Light gray silty-clayey-sand, no gravels, compact 46-68 – <b>Weathered Glacial</b> – Gray, medium-coarse grained sand, few gravels, dry, loose 68-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15% subangular to round gravels and pebbles, wet, loose  Terminated in glacial materials.	None
181	LF 043	563580 m E 5333020 m N	0-34 – <b>Plow zone</b> – Dark brown loam/sandy-loam, no gravels, hay and rootlets at surface, firm, friable 34-47 – <b>Likely Alluvial</b> – Light gray fine grained silty-sand, no gravels, compact 47-73 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with <1% subangular to round gravels and pebbles, loose 73-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15% subrounded to round gravels and pebbles, wet, loose  Terminated in glacial materials.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
182	LF 042	563540 m E 5333020 m N	0-28 – <b>Plow zone</b> – Dark brown loam/sandy-loam, no gravels, hay and rootlets at surface, firm, friable 28-49 – <b>Likely Alluvial</b> – Light gray fine grained silty-sand, no gravels, compact 49-71 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 1% gravels and pebbles, loose 71-105 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% gravels and pebbles, wet, loose  Terminated in glacial materials.	None
183	LF 041	563500 m E 5333020 m N	0-33 – <b>Plow zone</b> – Light brown/tan silty-sand, no gravels, hay and rootlets at surface, compact 33-50 – <b>Likely Alluvial</b> – Light gray fine grained silty-sand with 15% subangular to subrounded gravels and pebbles, compact 50-78 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 10% subrounded to round gravels and pebbles, loose  Terminated in glacial materials.	None
184	LF 040	563460 m E 5333020 m N	0-35 – <b>Plow zone</b> – Dark brown loam/sandy-loam with scattered pockets of red-brown oxidized sediments, no gravels, hay and rootlets at surface, friable 35-52 – <b>Likely Alluvial</b> – Light gray fine to medium-coarse grained clayey-sand, no gravels, firm 52-85 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, no gravels, loose 85-110 – <b>Weathered Glacial</b> – Gray coarse grained sand with 10% gravels and pebbles, loose  Terminated in glacial waters.	None
185	LF 039	563420 m E 5333020 m N	0-31 – <b>Plow zone</b> – Dark brown loam/sandy loam, no gravels, hay and rootlets at surface, friable 31-76 – <b>Likely Alluvial</b> – Light gray fine to medium-coarse grained clayey-sand, no gravels, friable 76-116 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with <1% subangular to subrounded gravels and pebbles, loose  Water table at 110 cmbs. Started auger at 100 cmbs. Terminated in glacial materials.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
186	LF 038	563380 m E 5333020 m N	0-35 – <b>Plow zone</b> – Dark brown loam/sandy loam, no gravels, with hay at surface and rootlets just below, friable 35-60 – <b>Weathered Glacial</b> – East, west, and south aspects: Gray fine to medium-coarse grained clayey-sand, firm 35-60 – <b>Weathered Glacial</b> – North aspect: transitions directly to Gray coarse grained sand layer at 35 cmbs 60-85 – <b>Weathered Glacial</b> – Gray coarse sand with 50% subrounded to round gravels, pebbles, and cobbles (cobble concentration increasing with depth), loose  Terminated in glacial materials.	None
187	LF 037	563340 m E 5333020 m N	0-31 – <b>Plow zone</b> – Tan/light brown loam/sandy-loam with 10% subangular to subrounded gravels and pebbles, with grass and rootlets near surface, friable 31-55 – <b>Weathered Glacial</b> – Yellow-gray medium to coarse grained sand with 15% subangular to subrounded gravels and pebbles 55-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 30% subrounded to round gravels, pebbles, and cobbles, wet, loose  Terminated in glacial materials.	None
188	LF 036	563300 m E 5333020 m N	0-38 – <b>Plow zone</b> – Dark brown loam/sandy, no gravels, with grass and rootlets near surface, friable 38-105 – <b>Weathered Glacial</b> – Yellow/red/brown medium to coarse grained sand with 10-15% subangular to subrounded gravels and pebbles, and fine rootlets in the top 20 cm, loose 105-130 – <b>Weathered Glacial</b> – Gray coarse grained sand with 30% subrounded to round gravels, pebbles, and cobbles, wet, loose  Water table at 110 cmbs. Started auger at 100 cmbs. Terminated in glacial materials.	None
189	LF 035	563260 m E 5333020 m N	0-32 – <b>Plow zone</b> – Dark brown loam/sandy-loam, no gravels, with grass and rootlets near surface, friable 32-120 – <b>Weathered Glacial</b> – Yellow-red-brown medium to coarse grained sand with 5-10% subangular to subrounded gravels, pebbles, and cobbles, and fine rootlets in first 10 cm (32-42 cmbs), loose 120-140 – <b>Weathered Glacial</b> – Gray coarse grained sand with 20% subrounded to round gravels, pebbles, and cobbles, wet, loose  Water table at 110 cmbs. Started auger at 100 cmbs. Terminated in glacial materials.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
190	LF 034	563220 m E 5333020 m N	0-30 – <b>Plow zone</b> – Dark brown loam/sandy-loam, no gravels, with grass and rootlets near surface, friable 30-110 – <b>Weathered Glacial</b> – Yellow/red/brown medium to coarse grained sand with 1% subangular to subrounded gravels 110-135 – <b>Weathered Glacial</b> – Gray coarse grained sand with 10% subrounded to round gravels, pebbles, and cobbles, wet, loose  Water table at 120 cmbs. Started auger at 100 cmbs. Terminated in glacial materials.	None
191	LF 033	563180 m E 5333020 m N	0-37 – <b>Plow zone</b> – Dark brown/brown loam/loamy-sand with 10% subangular to subrounded gravels and pebbles, with grass and rootlets near surface, firm 37-97 – <b>Possibly Alluvial</b> – Yellow-gray fine to medium-coarse grained sand/loamy sand with pockets of oxidized red-brown sand throughout and <5% subangular to subrounded gravels and pebbles, compact 97-150 – <b>Weathered Glacial</b> – Gray coarse grained sand with 20% subrounded to round gravels and pebbles, wet, loose  Water table at 120 cmbs. Started auger at 54 cmbs due to compaction. Terminated in glacial materials.	None
192	DC 036 (14-2)	563180 m E 5332980 m N	0-30 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 30-75 – <b>Possibly Alluvial</b> – Gray fine to medium grained silty sand, ~10% gravels, moderately sorted, loose 75-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, 10-15% small gravels, moderately sorted, loose	None
193	DC 037 (15-2)	563220 m E 5332980 m N	0-30 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 30-75 – <b>Possibly Alluvial</b> – Gray fine to medium grained silty sand, ~10% gravels, moderately sorted, loose 75-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, 10-15% small gravels, moderately sorted, loose	0-10 cmbs – 1 rusted metal nut/cap

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
194	DC 038 (16-2)	563260 m E 5332980 m N	0-40 – <b>Plow zone</b> – Gray to grayish brown sandy loam and sand, moderately sorted, friable to loose compaction 40-110 – <b>Weathered Glacial</b> – Mixture of coarse grained brown sand, with some clay particles, mottled with orange, 10%+ small pebbles, poorly sorted, has iron concentrations, sticky, wet, friable to loose compaction 110-120 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~10% gravels, poorly sorted, wet, loose  Terminated at 120 due to obstructive cobbles.	None
195	DC 039 (17-2)	563300 m E 5332980 m N	0-35 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 35-70 – <b>Likely Weathered Glacial</b> – Gray sand and sandy clay, mottled with orange, moderately well sorted, compact 70-100 – <b>Likely Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, ~15% pebbles, moderately sorted, loose	None
196	DC 040 (18-2)	563340 m E 5332980 m N	0-30 – <b>Plow zone</b> – Gray loam, moderately well sorted, fragile 30-50 – <b>Likely Alluvial</b> – Gray loam to sandy loam, mixed with brown fine to medium grained sand, ~5% pebbles, moderately sorted 50-110 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown fine to medium grained sand, 5-10% gravels, moderately sorted, loose 110-130 – <b>Weathered Glacial</b> – Gray to dark gray coarse grained sand, 10-15% gravels, moderately to poorly sorted, wet, loose	None
197	DC 041 (19-2)	563380 m E 5332980 m N	0-40 – <b>Plow zone</b> – Gray to grayish brown sandy loam, moderately well sorted, friable 40-100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Grayish brown to gray medium to coarse grained sand, becomes gray by 75 cmbs, ~10% small gravels, moderately sorted, loose	None
198	DC 042 (20-2)	563420 m E 5332980 m N	0-15 – <b>Plow zone</b> – Gray to grayish brown loam, moderately well sorted, friable 15-35 – <b>Alluvial</b> – Gray fine grained sand and silt, well sorted, compact 15-110 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown to grayish brown medium to coarse grained sand, becomes coarser and more gray with depth, 5-10% pebbles, moderately sorted, loose  Terminated at 110 cmbs due to cobble obstruction.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
199	DC 043 (21-2)	563460 m E 5332980 m N	0-30 – <b>Plow zone</b> – Grayish brown loam, moderately well sorted, friable 30-60 – <b>Likely Weathered Glacial</b> – Gray medium grained sand, <5% gravels, moderately well sorted, friable 60-110 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, 5-10% pebbles, moderately sorted	None
200	DC 044 (22-2)	563500 m E 5332980 m N	0-15 – <b>Plow zone</b> – Grayish brown loam, moderately well sorted, friable 15-40 – <b>Likely Alluvial</b> – Mixture of gray and grayish brown fine to medium grained sand, silt, and silty clay, mottled with orange, moderately sorted, compact	None
201	DC 045 (23-1)	563540 m E 5332980 m N	0-50 – <b>Likely Disturbed Wetland and Fill Materials</b> – Pale gray silt with some silty clay, ~50% small to large gravels, very poorly sorted, firm to concreted 50-90 – <b>Weathered Glacial</b> – Brown medium to coarse grained sand, ~20% small to large pebbles, poorly sorted, very compact  Terminated at 90 cmbs due to compaction.	None
202	DC 046 (24-1)	563580 m E 5332980 m N	0-10 – <b>Plow zone</b> – Grayish brown loam, moderately well sorted, friable 10-30 – <b>Plow zone with Disturbed Wetland Materials</b> – Mixed gray and grayish brown fine grained sand, silt, and silty clay, mottled with orange, moderately sorted, compact 30-55 – <b>Wetland Deposit</b> – Gray silt and silty clay, mottled with orange, well sorted 55-100 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, 5-10% small gravels, moderately sorted, loose	None
203	DC 047 (25-1)	563620 m E 5332980 m N	0-10 – <b>Plow zone</b> – Grayish brown loam to silty loam, well sorted, friable 10-30 – <b>Plow zone with Disturbed Wetland Materials</b> – Mixed gray and grayish brown fine grained sand, silt, and silty clay, mottled with orange, moderately sorted, compact 30-40 – <b>Wetland Deposit</b> – Very pale gray silty clay, mottled with orange, well sorted, very compact 40-100 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, <5% small gravels, moderately well sorted, loose to friable	None
204	DC 048 (26-1)	563660 m E 5332980 m N	0-30 – <b>Plow zone</b> – Gray and grayish brown silt and silty clay mix, some orange mottling, moderately sorted, compact 30-40 – <b>Wetland Deposit</b> – Pale gray silty clay, mottled with orange, well sorted, compact 40-100 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, <10% gravels, moderately well sorted, loose to friable	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
205	DC 049 (27-1)	563700 m E 5332980 m N	0-5 – <b>Plow zone</b> – Grayish brown silty loam, well sorted, friable 5-30 – <b>Plow zone with Disturbed Wetland Materials</b> – Gray and grayish brown silty loam with some minor silty clay, moderately sorted, compact 30-40 – <b>Wetland Deposit</b> – Pale gray silty clay, mottled with some orange, well sorted, compact 40-75 – <b>Possibly Glacial</b> – Gray fine to medium grained sand, moderately well sorted, friable 75-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, ~5% gravels, moderately sorted, loose	None
206	DC 050 (28-1)	563740 m E 5332980 m N	0-25 – <b>Plow zone</b> – Gray to grayish brown silty loam, moderately well sorted, friable 25-55 – <b>Possible Wetland Deposit</b> – Pale gray silty clay, mottled with orange, well sorted, compact 55-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, <5% gravels, moderately sorted, friable to loose	None
207	JG 070	563700 m E 5332940 m N	0-16 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to silt loam, no gravels, ~5% rootlets, damp, firm to very firm 16-70 – <b>Likely Alluvial</b> – Light gray to white silt with fine grained sand, very firm to firm 16-70 – <b>Disturbed</b> – Gray to brownish gray fine grained sandy silt to silt 70-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with increasing coarseness with depth, oxidation in upper sediments, 10-20% pebbles to small gravels	16-80 cmbs – Wooden fence post in disturbed sediment (W wall)
208	JG 069	563660 m E 5332940 m N	0-27 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to silt loam, no gravels, ~5% rootlets, damp, firm to very firm 27-45 – <b>Likely Alluvial</b> – Light gray fine grained sandy silt to silty sand, more sandy with depth, some light yellowish brown oxidation, <5% pebbles, very firm 45-75 – <b>Possibly Glacial</b> – Light gray fine grained silty sand to sand with some medium grained sand 75-116 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with increasing coarseness with depth, oxidation in upper sediments, 10-20% pebbles to small gravels  Started auger at 28 cmbs due to compaction.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
209	JG 068	563620 m E 5332940 m N	<p>0-25 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to silt loam, no gravels, ~5% rootlets, damp, firm to very firm</p> <p>25-41 – <b>Likely Alluvial</b> – Light gray fine grained sandy silt to silty sand, more sandy with depth, some light yellowish brown oxidation, &lt;5% pebbles, very firm</p> <p>41-70 – <b>Possibly Glacial</b> – Light gray fine grained silty sand to sand with some medium grained sand</p> <p>70-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with increasing coarseness with depth, oxidation in upper sediments, 10-20% pebbles to small gravels</p> <p>Started auger at 27 cmbs due to compaction. Terminated in glacial.</p>	None
210	JG 067	563580 m E 5332940 m N	<p>0-27 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to silt loam, no gravels, ~5% rootlets, damp, firm to very firm</p> <p>27-50 – <b>Likely Alluvial</b> – Light gray fine grained sandy silt to silty sand, more sandy with depth, some light yellowish brown oxidation, &lt;5% pebbles, very firm</p> <p>50-74 – <b>Weathered Glacial?</b> – Gray fine to medium grained sand with some silts, ~10% pebbles, subangular to rounded, oxidation and silt clumping from ~60 to 74 cmbs, moist</p> <p>74-107 – <b>Weathered Glacial?</b> – Gray fine grained sand to silty sand, ~20-30% oxidation, moist to wet</p> <p>Started auger at 29 cmbs due to compaction. Terminated in weathered glacial.</p>	None
211	JG 066	563540 m E 5332940 m N	<p>0-30 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to silt loam, no gravels, ~5% rootlets, damp, firm to very firm</p> <p>30-61 – <b>Likely Alluvial</b> – Light gray fine grained sandy silt to silty sand, more sandy with depth, some light yellowish brown oxidation, &lt;5% pebbles, very firm</p> <p>61-84 – <b>Weathered Glacial</b> – Gray fine to coarse grained sand, slight oxidation present, 30-40% pebbles to small gravels, subangular to rounded</p> <p>Started auger at 34 cmbs due to compaction. Terminated on a rock.</p>	0-20 cmbs – Black plastic fence clip for electric fence wire

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
212	JG 065	563500 m E 5332940 m N	<p>0-24 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to silt loam, no gravels, ~5% rootlets, damp, firm to very firm</p> <p>24-55 – <b>Likely Alluvial</b> – Light gray fine grained sandy silt to silty sand, more sandy with depth, some light yellowish brown oxidation, &lt;5% pebbles, very firm</p> <p>55-80 – <b>Possibly Alluvial</b> – Gray fine to medium grained sand, some silts</p> <p>80-110 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, moist to wet</p> <p>Started auger at 35 cmbs due to compaction. Terminated in glacial.</p>	None
213	JG 064	563460 m E 5332940 m N	<p>0-35 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to sandy loam, ~10% rootlets, dry, firm to very firm</p> <p>35-40 – <b>Disturbed</b> – Yellowish brown and light gray clay with some silt and sand, 50-60% oxidation, sticky, firm to very firm</p> <p>40-80 – <b>Relict Topsoil wetland</b> – Very dark brown silt loam, anaerobic smell, root/lets, sticky, firm</p> <p>80-100 – <b>Likely Weathered Glacial</b> – Pale yellowish brown fine to medium grained sand, 30-40% oxidation, ~10% pebbles</p> <p>100-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, increasing coarseness with depth, 10-20% pebbles to small gravels, subangular to rounded, wet</p> <p>Started auger at 70 cmbs due to narrowing caused by compaction and sticky sediments. Terminated on rocks. Water table at 126 cmbs.</p>	<p>0-30 cmbs – corroded metal ring, possible a nut</p> <p>40 cmbs – orange twine</p>
214	JG 063	563420 m E 5332940 m N	<p>0-27 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to sandy loam, ~10% rootlets, dry, firm to very firm</p> <p>27-70 – <b>Alluvial</b> – Pale yellowish brown to light gray fine grained silty sand, no gravels, dry, firm to very firm</p> <p>70-90 – <b>Possibly Alluvial</b> – Weathered Glacial – Dark gray fine to medium grained sand with silts to silty sand, some oxidation, moist, firm</p> <p>90-110 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sand, heavy oxidation, &lt;10% pebbles, firm</p> <p>110-135 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;10% pebbles</p> <p>Started auger due to narrowing caused by compaction. Terminated in glacial. Water table at 123 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
215	JG 062	563380 m E 5332940 m N	0-20 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to sandy loam, ~10% rootlets, slightly damp from recent rain, firm to very firm 20-50 – <b>Likely Disturbed/Displaced</b> - West half - Yellowish brown and light gray clay with some silt and sand, 50-60% oxidation, sticky, firm to very firm 20-55 – <b>Likely Disturbed/Displaced</b> - Dark gray fine grained sandy silt to silty sand, moist, firm to very firm 50-73 – <b>Possible Relict wetland</b> – Very dark brown silt loam, anaerobic smell, root/lets, sticky, firm 73-100 - <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~50% oxidation at top which decreases at depth, ~20% pebbles and small gravels, wet	None
216	JG 061	563340 m E 5332940 m N	0-40 – <b>Plow zone</b> – Light grayish brown fine grained silty sand to sandy loam, ~5% rootlets, <5% pebbles, very firm 40-90 – <b>Alluvial?</b> – South half – Dark gray fine grained sandy silt to silty sand, moist, firm to very firm 90-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~50% oxidation, 10-20% pebbles and small gravels 130-150 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels  Started auger at 40 cmbs due to compaction. Water table at 120 cmbs.	None
217	JG 060	563300 m E 5332940 m N	0-23 – <b>Plow zone</b> – Grayish brown fine grained sandy silt to sandy loam, ~10% rootlets, dry, firm to very firm 23-39 – <b>Plow zone with Disturbed Sediments</b> – Grayish brown fine grained sandy silt to sandy loam with chunks of yellowish brown fine grained sandy silt, 10-20% rootlets 39-73 – <b>Likely Disturbed/Displaced</b> – South half – Dark gray fine grained sandy silt to silty sand, moist, firm to very firm 39-45 – <b>Likely Disturbed/Displaced</b> – Dark grayish brown silt with fine grained sand, damp, very firm 45-70 – <b>Likely Disturbed/Displaced</b> – Yellowish brown and light gray clay with some silt and sand, 50-60% oxidation, sticky, firm to very firm 70-80 – <b>Relict Topsoil/wetland Materials</b> – Very dark brown silt loam, anaerobic smell, root/lets, sticky, firm 80-115 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~50% oxidation at top which decreases at depth, ~20% pebbles and small gravels, wet  Started auger at 85 cmbs due to narrowing caused by stickiness. Terminated on rock. Water table at 110 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
218	JG 059	563260 m E 5332940 m N	<p>0-34 – <b>Plow zone</b> – Dark brown silt loam, ~5% rootlets, no gravels, damp, firm</p> <p>34-55 – <b>Weathered Glacial</b> – Yellowish brown coarse grained sandy silt to silty sand, possible coloration through oxidation, ~5% pebbles, moist, firm</p> <p>55-100 – <b>Weathered Glacial</b> – Gray and brown medium to coarse grained sand, 50-60% oxidation, ~5% pebbles, moist, firm</p> <p>100-117 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;20% oxidation, &lt;5% pebbles and gravels, wet, firm</p> <p>Started auger at 95 cmbs. Terminated on rock. Water table at 114 cmbs.</p>	None
219	JG 058	563220 m E 5332940 m N	<p>0-33 – <b>Plow zone</b> – Dark brown silt loam, ~5% rootlets, no gravels, damp, firm</p> <p>33-70 – <b>Possibly Alluvial</b> – Grayish brown fine to medium grained sand, some silts, no gravels, moist, firm</p> <p>70-95 – <b>Alluvially/reworked glacial?</b> – Grayish brown medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, moist to wet, slightly firm</p> <p>95-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, wet, slightly firm</p> <p>Started auger at 95 cmbs. Terminated in glacial. Water table at 123 cmbs.</p>	None
220	JG 057	563180 m E 5332940 m N	<p>0-20 – <b>Plow zone</b> – Pale brown (dry) to Brown (moist) fine grained silty sand to sandy silt, firm to very firm</p> <p>20-64 – <b>Disturbed</b> – Dark gray sandy loam with chunks of orange and yellowish brown and pockets of loamy medium grained sand, firm to very firm (wood chunk in north wall, 33-36 cmbs)</p> <p>64-85 – <b>Weathered Glacial</b> – Orange-brown coarse grained sandy clay, ~10% pebbles and gravels, subangular to rounded, sticky, moist to wet, firm</p> <p>85-121 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to small gravels, with a ~3 cm lens of dark gray fined grained sand ~95 cmbs</p> <p>Started auger at 85 cmbs due to stickiness. Terminated in glacial. Water table at ~100 cmbs.</p>	Orange twine on surface/top 5 cmbs.

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
221	JG 116	563175 m E 5332900 m N	<p>0-42 – <b>Plow zone</b> – Dark brown sandy loam, 10-20% pebbles to small gravels, angular to rounded, moist to wet, firm</p> <p>42-70 – <b>Likely Alluvial</b> – Light brownish gray fine grained silty sand, ~40% oxidation (strong brown), &lt;10% pebbles, subangular to rounded, moist to wet, firm</p> <p>70-103 – <b>Possibly Alluvial</b> – Strong brown fine to medium grained sand with some silt, wet to moist, firm</p> <p>103-120 – <b>Weathered Glacial</b> – Brownish gray fine to medium grained sand, some gravels, wet, firm</p> <p>120-145 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, some gravels, wet</p> <p>Started auger at 90 cmbs due to water/ mud on tool. Terminated in Glacial. Water table at 68 cmbs but flowing in from ~33 cmbs. Shifted west due to standing water.</p>	None
222	JG 117	563220 m E 5332900 m N	<p>0-35 – <b>Plow zone</b> – Dark brown sandy loam, 10-20% pebbles to small gravels, angular to rounded, moist to wet, firm</p> <p>35-50 – <b>Likely Alluvial</b> – Gray medium to coarse grained sand, ~10% pebbles, slightly firm</p> <p>50-88 – <b>Likely Alluvial</b> – Yellowish brown silty fine to medium grained sand, ~30% oxidation, ~5% pebbles, firm</p> <p>88-105 – Strong brown medium grained sand, some silts, few pebbles</p> <p>105-125 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, 10-20% pebbles to small gravels, subangular to rounded</p> <p>125-133 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded</p> <p>Started auger at 108 cmbs. Terminated on rock. Water table at 71 cmbs. Excavated by Sam Barr, screened by Jessica Gardner.</p>	None
223	JG 118	563260 m E 5332900 m N	<p>0-31 – <b>Plow zone</b> – Dark brown sandy loam with inclusions of light yellowish brown very fine grained sandy silt with ~60% oxidation (strong brown), ~10% pebbles, slightly firm</p> <p>31-46 – <b>Alluvial</b> – Light yellowish brown very fine grained sandy silt with ~60% oxidation (strong brown), few pebbles, firm, diffuse boundary</p> <p>46-98 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray fine to medium grained sand, ~60% oxidation with decreasing oxidation with depth and increasing coarseness with depth, changing to coarse grained sand with ~10% pebbles to small gravels, cobbles present at base</p> <p>Terminated on cobbles. Water table at 87 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
224	JG 119	563300 m E 5332900 m N	<p>0-31 – <b>Plow zone</b> – Dark brown sandy loam with inclusions of light yellowish brown very fine grained sandy silt with ~60% oxidation (strong brown), ~10% pebbles, slightly firm</p> <p>31-45 – <b>Alluvial</b> – Light yellowish brown very fine grained sandy silt with ~60% oxidation (strong brown), few pebbles, firm, diffuse boundary</p> <p>45~100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray fine to medium grained sand, ~60% oxidation with decreasing oxidation with depth and increasing coarseness with depth, changing to coarse grained sand with ~10% pebbles to small gravels</p> <p>~100-134 – <b>Weathered Glacial</b> – Gray coarse grained sand with medium grains, 5-10% pebbles, wet</p> <p>Started auger at 100 cmbs. Terminated in glacial Water table at 77 cmbs.</p>	None
225	JG 120	563340 m E 5332900 m N	<p>0-27 – <b>Plow zone</b> – Dark Brown to dark grayish brown silt loam</p> <p>27-40 – <b>Alluvial</b> – Light gray to light brownish gray very fine grained silty sand</p> <p>40-52 – <b>Alluvial</b> – Light gray fine grained sand, &lt;20% oxidation, &lt;5% pebbles</p> <p>52-60 – <b>Possibly Alluvial</b> – Light gray to light brownish gray very fine grained silty sand, &lt;20% oxidation</p> <p>60-80 – <b>Weathered Glacial</b> – Light gray to gray fine to medium grained sand</p> <p>80-100 – <b>Weathered Glacial</b> – Light yellowish brown and strong brown fine to medium grained sand, wet</p> <p>100-120 – <b>Weathered Glacial</b> – Gray and strong brown fine to medium grained sand, saturated</p> <p>120-145 – <b>Weathered Glacial</b> – Gray coarse grained sand with medium grains, 5-10% pebbles, saturated</p> <p>Started auger at 100 cmbs. Terminated in glacial. Water table at 84 cmbs.</p>	0-15 cmbs – ~5 inch long corroded metal chunk

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
226	JG 121	563380 m E 5332900 m N	<p>0-30 – <b>Plow zone</b> – Dark brown to dark grayish brown silt loam with light gray to light brownish gray fine grained silty sand to sand, ~5% pebbles, moist, slightly firm to firm, abrupt/irregular boundary</p> <p>30-55 – <b>Alluvial</b> – Light gray to light brownish gray fine grained silty sand to sand, ~5% pebbles, firm to very firm, diffuse boundary</p> <p>55-78 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, ~5% pebbles, firm</p> <p>78-100 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sand with silty and clay, to silty/clay sand, 5-10% pebbles to small gravels, subangular to rounded, wet, sticky</p> <p>100-112 – <b>Weathered Glacial</b> – Gray coarse grained sand, ~5% pebbles, wet</p> <p>Started auger at 100 cmbs. Terminated on rocks Water table at 107 cmbs.</p>	None
227	JG 122	563420 m E 5332900 m N	<p>0-14 – <b>Plow zone</b> – Dark brown to dark grayish brown silt loam, ~1% pebbles, ~25% rootlets, slightly firm to firm, irregular boundary</p> <p>14-35 – <b>Plow zone and Disturbed Alluvial Materials</b> – Mix of dark brown to dark grayish brown silt loam and light yellowish brown to light gray fine grained silty sand, no gravels, &lt;20% oxidation, firm to very firm</p> <p>35-52 – <b>Alluvial</b> – Light yellowish brown to light gray fine grained silty sand, no gravels, &lt;20% oxidation, firm to very firm, clear to diffuse boundary</p> <p>52-76 – <b>Alluvial</b> – Gray to light gray fine to medium grained sand, some silts, ~30-40% strong brown oxidation, no gravels, firm, moist, diffuse boundary</p> <p>76-105 – <b>Possibly Alluvial</b> – Gray to light brownish gray fine grained sand, some silts, firm to very firm, wet</p> <p>105-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;5% pebbles, saturated</p> <p>Started auger at 100 cmbs. Terminated in glacial. Water table at 100 cmbs.</p>	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
228	JG 123	563460 m E 5332900 m N	<p>0-11 – <b>Plow zone</b> – Dark brown to dark grayish brown silt loam, ~1% pebbles, ~25% rootlets, slightly firm to firm, irregular boundary</p> <p>11-34 – <b>Plow zone and Disturbed Alluvial Materials</b> – Mix of predominantly dark brown to dark grayish brown silt loam with light yellowish brown to light gray fine grained silty sand, no gravels, &lt;20% oxidation, firm to very firm</p> <p>34-55 – <b>Alluvial</b> – Light yellowish brown to light gray fine grained silty sand, no gravels, &lt;20% oxidation, firm to very firm, clear to diffuse boundary</p> <p>55-105 – <b>Possibly Alluvial</b> – Gray to light brownish gray fine grained sand, some silts, firm to very firm, wet</p> <p>105-148 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, becoming more coarse and gray with depth, ~10% pebbles by 125 cmbs, saturated</p> <p>Started auger at 97 cmbs. Terminated in glacial. Water table at 100 cmbs.</p>	None
229	JG 124	563500 m E 5332900 m N	<p>0-15 – <b>Plow zone</b> – Dark brown to dark grayish brown silt loam, ~1% pebbles, ~25% rootlets, slightly firm to firm, irregular boundary</p> <p>15-31 – <b>Plow zone and Disturbed Alluvial Materials</b> – Mix of predominantly dark brown to dark grayish brown silt loam with light yellowish brown to light gray fine grained silty sand, no gravels, &lt;20% oxidation, firm to very firm</p> <p>31-50 – <b>Alluvial</b> – Light yellowish brown to light gray fine grained silty sand, no gravels, &lt;10% oxidation, very firm, gradual boundary</p> <p>50-82 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light yellowish brown fine to medium grained sand, &lt;20% slight oxidation, ~1% pebbles, firm to very firm</p> <p>82-125 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~20% oxidation, ~10% pebbles to small gravels, subangular to rounded, firm to very firm</p> <p>125 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;5% pebbles, saturated and sloppy</p> <p>Started auger at 100 cmbs. Terminated on rock. Water table at 105 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
230	JG 125	563540 m E 5332900 m N	<p>0-26 – <b>Plow zone</b> – Dark brown to dark grayish brown silt loam, ~1% pebbles, ~25% rootlets, slightly firm to firm, irregular boundary</p> <p>26-38 – <b>Alluvial</b> – Pocket in NE – Reddish yellow to strong brown silt to fine grained sandy silt mottled with some light yellowish brown, lower boundary of dark brown to black loam/ possibly carbonized plant materials, firm to very firm, likely natural</p> <p>26-45 – <b>Relict Topsoil/Alluvial</b> – Brownish gray loamy fine grained sand with some charcoal/carbonized plant staining, firm to very firm, diffuse boundary</p> <p>45-61 – <b>Possibly Alluvial</b> – Light yellowish brown to light gray fine grained silty sand, no gravels, firm to very firm, clear to diffuse boundary</p> <p>61-120 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray and brown medium to coarse grained sand, 10-20% pebbles to medium gravels, subangular to rounded, firm</p> <p>120-140 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;5% pebbles, saturated and sloppy</p> <p>Started auger at 97 cmbs. Water table at 100 cmbs.</p>	None
231	JG 126	563580 m E 5332900 m N	<p>0-32 – <b>Plow zone</b> – Dark brown to dark grayish brown silt loam, ~1% pebbles, ~25% rootlets, slightly firm to firm, irregular boundary</p> <p>32-47 – <b>Possibly Alluvial</b> – Light yellowish brown fine grained sand with silts, firm to very firm</p> <p>47-60 – <b>Possibly Alluvial</b> – Light gray fine grained silty sand, no gravels, 10-20% oxidation, firm to very firm, clear to diffuse boundary</p> <p>60-115 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray to brownish gray medium grained sand, 10-20% pebbles to small gravels, subangular to rounded, firm</p> <p>115-130 – <b>Weathered Glacial</b> – Gray to brownish gray coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, slumping, saturated, loose?</p> <p>130-140 – <b>Weathered Glacial</b> – Gray fine grained sand, saturated, sloppy</p> <p>Started auger at 100 cmbs. Terminated due to suction. Water table at 105 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
232	JG 127	563620 m E 5332900 m N	0-32 – <b>Plow zone</b> – Dark brown to dark grayish brown silt loam, ~1% pebbles, ~25% rootlets, slightly firm to firm, irregular boundary 32-52 – <b>Possibly Alluvial</b> – Light yellowish brown to light gray fine grained silty sand, no gravels, <20% oxidation, firm to very firm, clear to diffuse boundary 52-73 – <b>Weathered Alluvial/Reworked Glacial?</b> – Grayish brown medium grained sands, <5% pebbles, firm 73-130 – <b>Weathered Glacial</b> – Gray to brownish gray coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, slumping, saturated, loose? 130-135 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, <5% pebbles, saturated  Started auger at 95 cmbs. Water table at 110 cmbs.	None
233	JG 128	563660 m E 5332900 m N	0-32 – <b>Plow zone</b> – Dark brown to dark grayish brown silt loam, ~1% pebbles, ~25% rootlets, slightly firm to firm, irregular boundary 32-44 – <b>Possibly Alluvial</b> – Light gray fine to medium grained sand, ~5% pebbles, firm 44-63 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray medium grained sand, 50-60% oxidation 63-115 – <b>Weathered Glacial</b> – Gray to brownish gray coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, slumping, saturated, loose? 115-145 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, <5% pebbles, saturated  Started auger at 100. Water table at 105 cmbs.	None
234	SL 001	563660 m E 5332860 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam mixed with dark gray sandy loam 28-49 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam mottled with yellowish brown fine grained sandy loam 49-83 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam mottled with yellowish brown medium grained sandy loam  Groundwater at base of probe.	None
235	SL 002	563620 m E 5332860 m N	0-29 – <b>Plow zone</b> – Very dark brown silty loam mixed with dark gray sandy loam 29-40 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam 40-82 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam 82-97 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sandy loam, ~10% gravels, subangular	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
236	SL 003	563580 m E 5332860 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-41 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam 41-85 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sandy loam, ~10% subangular gravels 85-100 – <b>Weathered Glacial</b> – Dark grayish blue fine grained sandy loam	None
237	SL 004	563540 m E 5332860 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam 32-42 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam 42-104 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam, ~10% subangular gravels	None
238	SL 005	563502 m E 5332860 m N	0-40 – <b>Plow zone</b> – Very dark brown silt loam 40-64 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam, ~10% gravels 64-99 – <b>Weathered Glacial</b> – Yellowish brown silt loam, ~10% subangular gravels, ~2% pebbles, compact	None
239	SL 006	563464 m E 5332860 m N	0-38 – <b>Plow zone</b> – Very dark brown silt loam 38-49 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam 49-99 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sandy loam, ~10% subangular gravels, ~2% pebbles	None
240	SL 007	563426 m E 5332860 m N	0-37 – <b>Plow zone</b> – Very dark brown silty loam 37-40 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam 40-99 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam	None
241	SL 008	563388 m E 5332860 m N	0-31 – <b>Plow zone</b> – Very dark brown silt loam 31-54 – <b>Possibly Alluvial</b> – Dark gray fine to medium grained sandy loam with some flecks of charcoal in wall from root burn (natural) 54-102 – <b>Weathered Glacial</b> – Dark brown fine grained sandy loam	None
242	SL 009	563350 m E 5332860 m N	0-37 – <b>Plow zone</b> – Very dark brown silty loam 37-54 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam 54-86 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam  Groundwater at 80 cmbs.	None
243	SL 010	563312 m E 5332860 m N	0-36 – <b>Plow zone</b> – Very dark brown silty loam 36-100 – <b>Weathered Glacial</b> – Dark gray fine to medium grained sandy loam  Groundwater at 85 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
244	SL 011	563274 m E 5332860 m N	0-35 – <b>Plow zone</b> – Very dark brown silty loam 35-59 – <b>Likely Weathered Glacial</b> – Dark gray fine grained sandy loam 59-80 – <b>Weathered Glacial</b> – Dark gray fine to coarse grained sandy silt, ~10% gravels  Started auger at 59 cmbs due to groundwater. Groundwater at 59 cmbs.	None
245	JG 157	563220 m E 5332860 m N	0-32 – <b>Plow zone</b> – Dark brown sandy loam, <5% pebbles 32-55 – <b>Possibly Alluvial</b> – Light brownish gray fine to medium grained loamy sand (silty sand) ~10% oxidation, 5-10% pebbles, firm to very firm 55-100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray to grayish brown medium to coarse grained sand with silt (loamy sand) 100-105 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained clayey sand 105-140 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with some brown/oxidation staining  Started auger at 67 cmbs due to water. Terminated due to suction. Water table at 55 cmbs.	None
246	JG 158	563180 m E 5332860 m N	0-30 – <b>Plow zone</b> – Dark brown loam, 5-10% pebbles 30-60 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray fine to medium grained sand 60-100 – <b>Weathered Glacial</b> – Gray and brown fine to medium grained sand changing to medium to coarse grained sand with 10-20% pebbles  Started auger at 50 cmbs due to water. Terminated on rock. Water table at 45 cmbs.	None
247	JG 156	563180 m E 5332820 m N	0-33 – <b>Plow zone</b> – Dark brown silt loam, 5-10% pebbles 33~60 – <b>Possibly Alluvial</b> – Yellowish brown medium grained sand, firm, gradual boundary ~60-87 – <b>Weathered Alluvial/Reworked Glacial?</b> – Grayish brown to brownish gray medium to coarse grained sand, ~10% pebbles to cobbles, subangular to rounded, slightly firm, moist to wet 87-105 – <b>Weathered Glacial</b> – Light gray medium grained sand, wet 105-125 – <b>Weathered Glacial</b> – Gray coarse grained sand, 10-20% pebbles to small gravels, saturated 125-140 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, no gravels, saturated  Started auger at 100 cmbs. Terminated due to suction. Water table at 85 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
248	JG 139	563220 m E 5332820 m N	0-36 – <b>Plow zone</b> – Dark grayish brown to dark brown sandy loam, some pebbles to cobbles, angular to rounded, saturated 36-82 – <b>Weathered Glacial</b> – Light gray medium to coarse grained sand, some silt, 5-10% pebbles to small gravels, saturated  Started auger at 24 cmbs due to saturation. Water table at ~20 cmbs.	None
249	JG 138	563260 m E 5332820 m N	0-35 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam to sandy loam, <5% pebbles, with chunks of Brown fine to medium grained sand in bottom 15 cm, moist, firm to slightly firm, abrupt boundary 35-41 – <b>Alluvial</b> – Brown fine to medium grained sand, <5% pebbles, moist to wet, firm, diffuse boundary 41-105 – <b>Weathered Alluvial/Reworked Glacial?</b> Brown medium grained sand with coarse and fine grained sands, 5-10% pebbles, firm, wet 105-115 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% pebbles, firm, wet  Started auger at 80 cmbs due to saturation. Terminated on rocks. Water table at 72 cmbs, seeping from 65 cmbs.	None
250	JG 137	563300 m E 5332820 m N	0-33 – <b>Plow zone</b> – Dark brown loam to silt loam with lenses/chunks of light gray to light brownish gray fine grained sand below 15 cmbs 33-45 – <b>Possibly Alluvial</b> – Light gray to light brownish gray fine grained sand, moist, slightly firm to firm 45-70 – <b>Possibly Alluvial</b> – Light brownish gray to gray fine to medium grained sand, wet, slightly firm to firm 70-100 – <b>Weathered Glacial</b> – Gray to brownish gray medium to coarse grained sand with <5% pebbles, wet to saturated, slightly firm to firm  Terminated in glacial. Water table at 87 cmbs.	None
251	JG 136	563340 m E 5332820 m N	0-38 – <b>Plow zone</b> – Dark brown loam to silt loam, ~1% chunks of light yellowish brown to light brownish gray very fine to fine grained sand with silt to clay silt, 20-30% oxidation, no gravels, unsorted, slightly firm 38-77 – <b>Possible Wetland Deposit</b> – Light yellowish brown to light brownish gray very fine to fine grained sand with silt to clay silt, 20-30% oxidation, no gravels, unsorted 77-120 – <b>Possibly Alluvial</b> – Gray fine to medium grained sand with ~20% oxidation, <5% pebbles 120-145 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, subangular to rounded, slumping  Started auger at 100 cmbs. Water table at 94 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
252	JG 135	563380 m E 5332820 m N	0-35 – <b>Plow zone with Disturbed Alluvial Materials</b> Dark brown loam to silt loam, ~1% chunks of light gray fine grained with medium grained sand in lower 10 cm, slightly firm, moist, abrupt 35-50 – <b>Possibly Alluvial</b> – Light gray fine grained with medium grained sand, moist 50-100 – <b>Weathered Glacial</b> – Gray medium grained with coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, wet  Water table at 93 cmbs.	None
253	JG 134	563420 m E 5332820 m N	0-30 – <b>Plow zone</b> – Dark brown loam to silt loam, <5% pebbles, slightly firm, clear 30-52 – <b>Possible Wetland Deposit</b> – Dark brownish gray to brownish gray silt to very fine grained sandy silt, some charcoal/carbon specks, firm 44-54 – <b>Alluvial</b> – Light gray fine grained sand with some silt, ~10% oxidation, firm 54-80 – <b>Weathered Glacial</b> – Light gray to gray medium grained with coarse grained sand, 5-10% pebbles to small gravels 80-100 – <b>Weathered Glacial</b> – Light brownish gray coarse grained sand with silt, 10-20% pebbles to small gravels, some (~20-30%) oxidation, firm to very firm, wet  Water table at base of unit.	None
254	JG 133	563460 m E 5332820 m N	0-31 – <b>Plow zone</b> – Dark brown loam to silt loam, ~1% rootlets, 10-20% pebbles to small gravels, subangular to rounded, abrupt boundary 31~58 – <b>Weathered Glacial</b> – Light gray to light brownish gray medium to coarse grained sand, 20-30% pebbles to small gravels, subangular to rounded, slightly firm to firm, gradual boundary ~58-91 – <b>Weathered Glacial</b> – Gray to light brownish gray medium to predominantly coarse grained sand, ~30% pebbles to small gravels, subangular to rounded, firm  Terminated on gravels	None
255	JG 132	563500 m E 5332820 m N	0-32 – <b>Plow zone</b> – Dark brown silt loam to loam, ~1% pebbles, slightly firm 32-39 – <b>Alluvial</b> – Light gray fine grained sand with some silt, ~10% oxidation, firm 39-72 – <b>Weathered Glacial</b> – Light gray to gray medium grained sand with some coarse grains, 10-20% pebbles to medium gravels, with a layer of gravels at ~70 cmbs, firm 72-100 – <b>Weathered Glacial</b> – - Gray medium to coarse grained sand, 10-20% pebbles to small gravels, wet, firm to very firm	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
256	JG 131	563540 m E 5332820 m N	0-35 – <b>Plow zone</b> – Dark brown silt loam to loam, ~1% pebbles, slightly firm 35-43 – <b>Alluvial</b> – Light gray fine grained sand with some silt, ~10% oxidation, firm 43-70 – <b>Weathered Glacial</b> – Light gray to gray medium grained sand with some coarse grains, 10-20% pebbles to medium gravels, with a layer of gravels at ~70 cmbs, firm 70-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, wet, firm to very firm	None
257	JG 130	563580 m E 5332820 m N	0-36 – <b>Plow zone</b> – Dark brown silt loam to loam, ~1% pebbles, slightly firm 36-51 – <b>Alluvial</b> – Light gray to light brownish gray fine to medium grained sand, <5% pebbles, firm to very firm 51-58 – <b>Alluvial</b> – Light gray fine grained sand, some silts, some medium grained sands, <5% pebbles, very firm 58-82 – <b>Weathered Glacial</b> – Light gray to gray medium to coarse grained sand, <5% pebbles, very firm 82-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, <5% pebbles to small gravels, wet, firm to very firm	None
258	JG 129	563620 m E 5332820 m N	0-33 – <b>Plow zone with Disturbed Glacial Materials</b> – Dark brown silt loam to loam, ~1% pebbles, some chunks of light brownish gray to light gray medium to coarse grained sand in lower 5 cm, slightly firm, abrupt boundary 33-70 – <b>Weathered Glacial</b> – Light brownish gray to light gray medium to coarse grained sand, ~5% pebbles, slightly firm, diffuse boundary 70-100 – <b>Weathered Glacial</b> – Light brownish gray to gray coarse grained sand, 10-20% pebbles to medium gravels, slightly firm	None
259	JG 082	563620 m E 5332780 m N	0-18 – <b>Plow zone</b> – Dark brown loam, ~1% pebbles, moist-wet, firm, abrupt irregular boundary 18-23 – <b>Alluvial</b> – Very light gray fine grained sandy loam, ashy?, slightly firm 23-30 – <b>Possibly Alluvial</b> – Light gray fine to medium grained sand with some silts, firm 18-38 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown to strong brown medium grained sand, 5-10% pebbles, very firm 38-85 – <b>Weathered Glacial</b> – Dark yellowish brown medium to coarse grained sand, 5-10% pebbles to small gravels, subangular to rounded, firm to very firm 85-122 – <b>Weathered Glacial</b> – Brown gray medium to coarse grained sand, 5-10% pebbles to small gravels, subangular to rounded, firm to very firm  Started auger at 90 cmbs due to compaction. Terminated on rocks.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
260	JG 081	563580 m E 5332778 m N	0-24 – <b>Plow zone</b> – Grayish brown sandy loam, <5% pebbles, firm 24-56 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, ~10% pebbles, angular to subrounded, slightly firm, clear boundary 56-111 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to large gravels, angular to rounded, firm, clear boundary  Started auger at 95 cmbs. Terminated on a rock.	None
261	JG 080	563540 m E 5332776 m N	0-26 – Topsoil/ Plow zone – Grayish brown sandy loam, <5% pebbles, firm 26-52 – <b>Possibly Alluvial</b> – Light gray fine grained sand to silty sand, <5% pebbles, firm 52-78 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown to brownish gray fine to medium grained sand, some silts, 10-20% pebbles, subangular to subrounded 78-115 – <b>Weathered Glacial</b> – Gray medium grained clayey sand, possible oxidation and decomposing rocks, 20-30% pebbles and small gravels 115-137 – <b>Unweathered Glacial</b> – Gray coarse to medium grained sand, <10% pebbles, soft  Started auger at 94 cmbs. Terminated on rock. Water table at ~133 cmbs.	None
262	JG 079	563500 m E 5332776 m N	0-26 – <b>Plow zone</b> – Dark brown sandy loam, <5% pebbles, moist, firm 16-51 – <b>Possibly Alluvial</b> – Light gray fine to medium grained silty sand to sand with silt, 10-20% oxidation, 5-10% pebbles, firm 51-81 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles, angular to rounded, slightly firm to firm 81-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~60% oxidation, 10-20% pebbles, angular to rounded, slightly firm to firm	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
263	JG 078	563460 m E 5332775 m N	0-35 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown (moist) silt loam with chunks of brown loamy silt and lenses of light gray medium grained sand, changes to grayish brown (dry to damp sediment) by ~23 cmbs, <5% pebbles, firm to very firm, diffuse boundary 35-44 – <b>Alluvial</b> – Light gray fine grained sandy silt with ~30% oxidation, no gravels, firm to very firm 44-72 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray coarse grained with medium grained sand with some silts, 10-20% pebbles and small gravels, angular to rounded, slightly firm to firm 72-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~20% pebbles and small gravels, angular to rounded, moist boundary	None
264	JG 077	563420 m E 5332775 m N	0-27 – <b>Plow zone</b> – Grayish brown sandy loam, <5% pebbles, firm, irregular abrupt boundary 27-48 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, ~10% pebbles, angular to subrounded, slightly firm, clear boundary 48-65 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to large gravels, angular to rounded, firm, clear boundary 65-88 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, some clay/silt?, ~60% oxidation (strong brown staining), <10% pebbles and gravels, clumpy, firm 88-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, some clay/silt?, ~20% oxidation (strong brown staining), <10% pebbles and gravels, clumpy, firm	None
265	JG 076	563380 m E 5332775 m N	0-40 – <b>Plow zone</b> – Grayish brown sandy loam, <5% pebbles, firm 40-60 – <b>Possibly Alluvial</b> – Light gray fine grained sand to silty sand, ~20% oxidation changing to gray with no oxidation by 47 cmbs, firm to very firm 60-80 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to small gravels	None
266	JG 075	563340 m E 5332775 m N	0-24 – <b>Plow zone</b> – Grayish brown sandy loam, <5% pebbles, firm 24-66 – <b>Possibly Alluvial</b> – Light gray fine grained sand to silty sand, ~20% oxidation changing to gray with no oxidation by 47 cmbs, firm to very firm 66-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to small gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
267	JG 140	563300 m E 5332780 m N	0-31 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown sandy loam, ~1% pebbles with chunks of light gray to light brownish gray fine grained sand in bottom 10 cmbs, firm 31-41 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand, ~1% pebbles, firm, moist, gradual boundary 41-70 – <b>Alluvial</b> – Light gray to gray fine to medium grained sand, ~1% pebbles, moist to wet, firm 67-70 – <b>Alluvial</b> – Lens of light gray to light yellowish brown fine grained sand and silt 70-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% pebbles to small gravels, wet  Unit under positive pedestrian survey location. Located 4 m north of 267/ JG 074. Water table at 84 cmbs.	Surface – 2006G-2 as recorded during pedestrian survey – fine grained volcanic reduction flake
267 E	SL 014	563305 m E 5332780 m N	0-37 – <b>Plow zone</b> – Very dark brown silty loam mottled with dark gray fine grained sandy loam 37-62 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam 62-96 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam  Ground water at 90 cmbs. Unit 5 m east of positive probe.	None
267 N	SL 013	563300 m E 5332785 m N	0-32 – <b>Plow zone</b> – Very dark brown silty loam 32-45 – <b>Possibly Alluvial</b> – Mottled dark gray and yellowish brown fine grained sandy loam 45-97 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam  Groundwater at 92 cmbs. Unit 5 m north of positive probe.	None
267 S	JG 074	563300 m E 5332780 m N	0-33 – <b>Plow zone</b> – Grayish brown sandy loam, <5% pebbles, firm 33-45 – <b>Possibly Alluvial</b> – Light gray fine grained sand to silty sand, <5% pebbles, firm 45-65 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles, subangular to rounded, firm to slightly firm 65-79 – <b>Weathered Glacial</b> – Light gray very fine grained sand to silty sand, no gravels, firm 79-100 – <b>Weathered Glacial</b> – Brownish gray medium to coarse grained sands, ~10% pebbles and gravels	33-34 cmbs – Possible charcoal lens – irregular and inconsistent presence
267 W	SL 012	563295 m E 5332780 m N	0-34 – <b>Plow zone</b> – Very dark brown silty loam 34-80 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam [Gray medium sand] 80-95 – <b>Weathered Glacial</b> – Dark gray silt loam [loam-sandy loam]  Ground water at 80 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
268	JG 073	563260 m E 5332778 m N	0-27 – <b>Plow zone</b> – Grayish brown sandy loam, <5% pebbles, firm 27-30 – <b>Possibly Alluvial</b> – Light gray fine grained sand to silty sand, <5% pebbles, firm 30-65 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown to brownish gray fine to medium grained sand, some silts, 10-20% pebbles, subangular to subrounded 65-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with silts, 20-30% pebbles to small gravels, subangular to rounded, firm	None
269	JG 072	563220 m E 5332780 m N	0-27 – <b>Plow zone</b> – Grayish brown sandy loam, <5% pebbles, firm 27-35 – <b>Possibly Alluvial</b> – Light gray fine grained sand to silty sand, <5% pebbles, firm 35-62 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown to brownish gray fine to medium grained sand, some silts, 10-20% pebbles, subangular to subrounded 62-95 – <b>Weathered Glacial</b> – Gray medium grained clayey sand, possible oxidation and decomposing rocks, 20-30% pebbles and small gravels  Terminated on rocks.	None
270	JG 071	563180 m E 5332780 m N	0-25 – <b>Plow zone</b> – Dark grayish brown sandy loam to loam, few pebbles, damp, slightly firm, clear boundary 25-61 – <b>Weathered Glacial</b> – Brown to strong brown fine to medium grained sand, 10-20% pebbles, subangular to rounded, slightly firm to soft 61-100 – <b>Weathered Glacial</b> – Gray medium grained sand, 10-20% pebbles to small gravels, subangular to rounded, slightly firm	0-10 cmbs – Worked fine grained volcanic biface, 3.9 x 3.1 x .7 cm (bagged and reburied)
270 E	JG 114	563185 m E 5332780 m N	0-28 – <b>Plow zone</b> – Dark brown silt loam, few rootlets, no gravels, moist, slightly firm to firm, clear irregular boundary 28-52 – Pale gray fine grained silty sand to sandy silt, no gravels, very firm, clear to diffuse boundary 28-41 – North side – Brown to grayish brown fine grained silty sand, some charcoal/carbonized plant materials, very firm, clear boundary (relict topsoil?) 52 – 75 – Light brown to grayish brown silt loam, some charcoal/carbonized plant materials (specks or roots?), no gravels, firm to very firm 75-105 – Light gray fine grained sand to silty sand, no gravels, firm 105-136 – Gray medium grained sand changing to coarse grained with some gravels at base, moist  Unit is eastern delineation of 270/ JG 071. Started auger at 76 cmbs due to compaction, Terminated on rock(s). (Possibly alluvial with relict topsoil, above glacial?)	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
270 N	EA 01 (1)	563180 m E 5332785 m N	0-25 – <b>Plow zone</b> – Dark brown organic-rich silt, roots and rootlets at surface, medium compact 25-65 – <b>Weathered Glacial</b> – Reddish brown slightly silty medium to coarse grained sand, semi-loose 65-100 – <b>Weathered Glacial</b> – Medium gray coarse grained sand, 10-20% rounded to subrounded pebbles and gravels, loose	None
270 S	JG 115	563180 m E 5332775 m N	0-24 – <b>Plow zone</b> – Dark brown silt loam with chunks of strong brown to brown fine grained sand, no gravels, moist, firm, clear boundary 24-43 – <b>Weathered Glacial</b> – Strong brown to brown fine to medium grained sand with 5-10% pebbles, subrounded to rounded, firm, gradual boundary 43-130 – <b>Weathered Glacial</b> – Gray to light gray fine grained sand, no gravels, slightly firm to firm 130-150 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, ~5% pebbles to small gravels, subrounded to rounded, wet  Unit is northern delineation of 270/ JG 071. Started auger at 100 cmbs. Terminated at 150 cmbs. Water table at 145 cmbs.	None
270 W	EA 02 (1)	563175 m E 5332780 m N	0-30 – <b>Plow zone</b> – Dark brown organic-rich silt, roots and rootlets at surface, mottled with oxidized medium to coarse grained sand 30-60 – <b>Possibly Alluvial</b> – Grayish brown to reddish brown silty sand with oxidation, compact 60-130 – <b>Weathered Glacial</b> – Medium gray coarse grained sand, ~10% pebbles and gravels, rounded to subrounded	None
271	DC 051 (29-1)	563180 m E 5332740 m N	0-40 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 40-100 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, 5-10% gravels, moderately sorted, loose	None
272	DC 052 (30-1)	563220 m E 5332740 m N	0-30 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 30-60 – <b>Alluvial</b> – Grayish brown silty fine sand, some orange mottling, well sorted, loose to friable 60-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% gravels, moderately sorted, loose	None
273	DC 053 (31-1)	563260 m E 5332740 m N	0-25 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 25-100 – <b>Weathered Glacial</b> – Gray with some grayish brown medium to coarse sand, 5-10% gravels, moderately sorted, loose	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
274	DC 054 (32-1)	563300 m E 5332740 m N	0-30 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 30-70 – <b>Alluvial</b> – Pale gray fine grained silty sand, mottled with orange, well sorted, compact 70-100 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand with some grayish brown. <5% gravels, moderately sorted, loose	None
275	DC 055 (33-1)	563340 m E 5332740 m N	0-30 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 30-80 – <b>Wetland/Alluvial Deposit</b> – Gray fine grained sand and sandy clay, mottled with orange, gleyed, well sorted, compact 80-110 – <b>Alluvial?</b> – Gray fine to medium grained sand, mottled with orange, partially gleyed, moderately well sorted, lightly compacted 110-150 – <b>Weathered Glacial</b> – Dark gray to blue coarse grained sand, ~5% gravels, moderately sorted, loose (glacial)	None
276	DC 056 (34-1)	563380 m E 5332740 m N	0-35 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 35-45 – <b>Alluvial?</b> – Gray fine to medium grained sand, partially gleyed, well sorted, lightly compacted 45-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, moderately sorted, loose (weathered glacial)	None
277	DC 057 (35-1)	563420 m E 5332740 m N	0-40 – <b>Plow zone</b> – Grayish brown sandy loam, moderately well sorted, friable 40-70 – <b>Alluvial?</b> – Gray fine to medium grained sand, well sorted, lightly compact 70-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% gravels, moderately sorted, loose (weathered glacial)	None
278	JG 086	563460 m E 5332740 m N	0-28 – <b>Plow zone</b> – Very dark brown (wet) loam to silt loam, firm 28-46 – <b>Possibly Alluvial</b> – Light gray fine grained silty sand to sandy silt, 10-20% oxidation, <5% pebbles, firm 46-114 – <b>Weathered Glacial</b> – Light gray to gray medium to coarse grained sand, <10% pebbles to small gravels, slightly firm  Started auger at 100 cmbs. Terminated on rock.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
279	JG 085	563500 m E 5332740 m N	0-37– <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown (moist) silt loam with chunks of brown loamy silt and lenses of light gray medium grained sand, changes to grayish brown (dry to damp sediment) by ~24 cmbs, <5% pebbles, firm to very firm, diffuse boundary 37-100 – <b>Alluvial</b> – Light gray fine grained sandy silt with ~30% oxidation, no gravels, firm to very firm 100-130 – <b>Weathered Glacial?</b> – Light gray coarse grained with medium grained sand with some silts, 10-20% pebbles and small gravels, angular to rounded, slightly firm to firm 130-150 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~20% pebbles and small gravels, angular to rounded, moist boundary	None
280	JG 084	563540 m E 5332740 m N	0-30 – <b>Plow zone</b> – Grayish brown sandy loam, <5% pebbles, firm 30-90 – <b>Alluvial</b> – Light gray fine grained sand to silty sand, <5% pebbles, firm 90-120 – <b>Alluvial</b> – Brown to brownish gray fine to medium grained sand, some silts, 10-20% pebbles, subangular to subrounded 120-140 – <b>Weathered Glacial</b> – Gray medium grained clayey sand, possible oxidation and decomposing rocks, 20-30% pebbles and small gravels  Started auger at 100 cmbs. Terminated on rock. Water table at 136 cmbs.	None
281	JG 083	563580 m E 5332740 m N	0-30 – <b>Plow zone</b> – Dark brown (moist) sandy loam, <5% pebbles, firm 30-50 – <b>Alluvial</b> – Light gray fine grained sand to silty sand, <5% pebbles, firm 50-72 – <b>Alluvial</b> – Brown to brownish gray fine to medium grained sand, some silts, 10-20% pebbles, subangular to subrounded 72-73 – <b>Alluvial</b> – Light gray fine to medium grained sand lens 73-120 – <b>Alluvial</b> – Brown to brownish gray fine to medium grained sand, some silts, 10-20% pebbles, subangular to subrounded 120-160 – <b>Weathered Glacial</b> – Gray medium grained clayey sand, possible oxidation and decomposing rocks, 20-30% pebbles and small gravels  Started auger at 100 cmbs. Terminated at 160 cmbs on a rock. Water table at 130 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
282	LF 057	563540 m E 5332700 m N	0-27 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam/sandy-loam with inclusions of light gray clayey-sand scattered throughout, no gravels, friable 27-63 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 5% subangular to subrounded gravels 63-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 25% subrounded to round gravels and pebbles, loose  Terminated in glacial materials.	None
283	LF 056	563500 m E 5332700 m N	0-30 – <b>Plow zone</b> – Dark brown loam/sandy-loam, no gravels, friable 30-62 – <b>Possibly Alluvial</b> – Gray fine grained clayey-sand, no gravels, firm 62-105 – <b>Weathered Glacial</b> – Gray coarse grained sand with increasing concentration of subangular to round gravels and pebbles, loose (<1% to 10%)  Terminated in glacial materials.	None
284	LF 055	563460 m E 5332700 m N	0-25 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam/sandy-loam with inclusions of light gray clayey-sand and <1% subangular to subrounded gravels throughout, friable 25-50 – <b>Possibly Alluvial</b> – Light gray medium-coarse grained sand with increasing concentration of subangular to subrounded gravels and pebbles (1-10%), loose 50-80 – <b>Weathered Glacial</b> – Gray coarse grained sand with 30% subangular to subrounded gravels, pebbles, and cobbles, loose  Terminated in glacial materials.	None
285	LF 054	563420 m E 5332700 m N	0-25 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam/sandy-loam with inclusions of gray clayey-sand, no gravels, friable 25-105 – <b>Weathered Glacial</b> – Gray sand, increasing in coarseness with depth (medium to coarse), increasing in gravel and pebble content with depth (from <5% to 30%), with a few rounded cobbles in final 15 cm, loose  Terminated in glacial materials.	None
286	LF 053	563380 m E 5332700 m N	0-29 – <b>Plow zone</b> – Dark brown loam, no gravels, friable 29-50 – Light gray clayey-sand, no gravels, clumpy but friable 50-80 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15% subrounded to round gravels and pebbles, wet, loose  Terminated in glacial materials.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmts])	Cultural Materials Found
287	LF 052	563340 m E 5332700 m N	0-22 – <b>Plow zone</b> – Dark brown loam, no gravels, friable 22-41 – <b>Possibly Alluvial</b> – Light gray medium-coarse grained sand, no gravels 41-81 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15% subangular to round gravels and pebbles, wet, loose  Terminated in glacial materials.	None
288	LF 051	563300 m E 5332700 m N	0-28 – <b>Plow zone</b> – Dark brown loam/sandy loam, no gravels, friable 28-46 – <b>Alluvial</b> – Light gray/red medium-coarse grained sand, no gravels, oxidized, friable (alluvial) 46-87 – <b>Possibly Alluvial</b> – Red-brown clayey-sand with 1% subangular to subrounded gravels and pebbles, friable (alluvial) 87-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% subrounded to round gravels and pebbles, wet, loose (glacial)  Terminated in glacial materials.	None
289	LF 050	563260 m E 5332700 m N	0-31 – <b>Plow zone</b> – Dark brown loam/sandy loam, no gravels, friable 31-61 – <b>Alluvial</b> – Light gray medium-coarse grained sand, no gravels, friable 61-85 – <b>Possibly Alluvial</b> – Red-brown clayey-sand with 1% subangular to subrounded gravels and pebbles, oxidized, friable (alluvial) 85-110 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% subrounded to round gravels and pebbles, wet, loose (glacial)  Terminated in glacial materials.	None
290	LF 049	563220 m E 5332700 m N	0-28 – <b>Plow zone</b> – Dark brown loam/sandy loam, no gravels, friable 28-56 – <b>Alluvial</b> – Light gray/red medium-coarse grained sand, no gravels, friable 56-87 – <b>Possibly Alluvial</b> – Red-brown clayey-sand with 5% gravels and pebbles, friable 87-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 20% subrounded to round gravels and pebbles, wet, loose (glacial)  Terminated in glacial materials.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
291	LF 048	563180 m E 5332700 m N	<p>0-35 – <b>Plow zone</b> – Dark brown loam/sandy loam with &lt;1% subangular to subrounded gravels and pebbles, friable</p> <p>35-46 – <b>Possibly Alluvial</b> – Red-brown clayey-sand, no gravels, oxidized, friable</p> <p>46-130 – <b>Weathered Alluvial/Reworked Glacial?</b> – Red-brown medium-coarse grained sand (increasing in coarseness with depth), with &lt;5% subangular to subrounded gravels and pebbles</p> <p>130-150 – <b>Weathered Glacial</b> – Gray coarse grained sand with 20% subrounded to round gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 130 cmbs.</p>	None
292	JG 096	563180 m E 5332660 m N	<p>0-31 – <b>Plow zone with Disturbed Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>31-40 – <b>Possibly Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, no gravels, damp, firm</p> <p>40-95 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sand, 10-20% pebbles to small gravels, moist, firm</p> <p>95-125 – <b>Weathered Glacial</b> – Brownish gray to grayish brown medium to coarse grained sand, ‘lens’ of sticky medium to coarse grained sand with clay 10-20% pebbles to small gravels, moist</p> <p>125-143 – <b>Weathered Glacial</b> – Gray to blueish gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, wet</p> <p>Started auger at 80 cmbs due to narrowing caused by compaction and sticky sediments. Terminated on rock. Water table at base.</p>	0-20 cmbs – Small orange painted ‘clay pigeon’ fragment

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
293	JG 095	563220 m E 5332660 m N	<p>0-25 – <b>Plow zone with Disturbed Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>25-45 – <b>Possibly Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, ~50% strong brown mottling, no gravels, damp, firm to very firm</p> <p>45-105 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sand, 10-20% pebbles to small gravels, moist, firm</p> <p>105-115 – <b>Weathered Glacial</b> – Brownish gray to grayish brown medium to coarse grained sand, 10-20% pebbles to small gravels, moist</p> <p>115-150 – <b>Weathered Glacial</b> – Gray to blueish gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, wet</p> <p>Started auger at ~80 cmbs due to narrowing caused by compaction. Terminated in glacial. Water table at ~123 cmbs.</p>	None
294	JG 094	563260 m E 5332660 m N	<p>0-30 – <b>Plow zone</b> – Very dark brown silt loam to loamy silt with chunks of light yellowish brown and light brownish gray clayey loam, no gravels, moist</p> <p>30-67 – <b>Possibly Alluvial</b> – Light brownish gray clayey loam, 30-40% yellowish brown oxidation, no gravels, sticky, firm to very firm</p> <p>67-100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark gray medium to coarse grained sand with some silts and clays, 10-20% oxidation (strong brown staining), 10-20% pebbles to small gravels, subangular to rounded</p> <p>Started auger at 80 cmbs due to narrowing caused by compaction and sticky sediments. Terminated on rocks.</p>	None
295	JG 093	563300 m E 5332660 m N	<p>0-28 – <b>Plow zone</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>28-36 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, no gravels, damp, firm</p> <p>36-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, moist, firm to slightly firm</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
296	JG 092	563340 m E 5332660 m N	<p>0-32 – <b>Plow zone</b> – Very dark brown silt loam, chunks of light brownish gray to light yellowish brown silt, no gravels, moist, firm, clear boundary</p> <p>32-110 – <b>Alluvial</b> – Light gray, light yellowish brown, and yellowish brown (oxidation staining) sandy silt, oxidation varies from 10 to 60%, no gravels, sticky, firm to very firm</p> <p>110-120 – <b>Weathered Glacial</b> – Strong brown coarse grained sandy clay to clayey sand, ~20% pebbles to small gravels</p> <p>120-155 – <b>Weathered Glacial</b> – Gray to blueish gray coarse grains with medium grained sand, 10-20% pebbles to small gravels, subangular to rounded, moist, firm to slight firm</p> <p>Started auger at 86 cmbs due to narrowing caused by stick sediments.</p> <p>Water table at 130 cmbs.</p>	None
297	JG 091	563380 m E 5332660 m N	<p>0-27 – <b>Plow zone</b> – Very dark brown (wet) loam to silt loam, firm</p> <p>27-44 – <b>Alluvial</b> – Light brownish gray fine grained sand, some silts, 20-30% oxidation (light yellowish brown staining), moist</p> <p>44-60 – <b>Possibly Alluvial</b> – Light brownish gray fine to medium grained sands, 20-30% oxidation (light yellowish brown staining), moist</p> <p>60-90 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;5% pebbles to small gravels, firm</p> <p>90-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~60% oxidation (brown staining), &lt;5% pebbles to small gravels, firm</p>	None
298	JG 090	563420 m E 5332660 m N	<p>0-27 – <b>Plow zone</b> – Very dark brown (wet) loam to silt loam, firm</p> <p>27-58 – <b>Alluvial</b> – Light brownish gray fine grained sandy silt to silty sand, no gravels, moist, firm to very firm</p> <p>58-90 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;5% pebbles to small gravels, firm</p> <p>90-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~60% oxidation (brown staining), &lt;5% pebbles to small gravels, firm</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
299	JG 089	563460 m E 5332660 m N	<p>0-27 – <b>Plow zone</b> – Very dark brown (wet) loam to silt loam, firm, clear boundary</p> <p>27-41 – <b>Alluvial</b> – Brownish gray loamy silt, no gravels, firm, diffuse boundary</p> <p>41-63 – <b>Alluvial</b> – Light gray fine grained silty sand to sandy silt, 10-20% oxidation, &lt;5% pebbles, firm, clear boundary</p> <p>63-83 – <b>Weathered Glacial</b> – Light gray to light brownish gray clayey medium grained sand to sandy clay, 20-30% oxidation, no gravels, firm to very firm, diffuse boundary</p> <p>83-120 – <b>Weathered Glacial</b> – Gray to light gray medium grained sand with fines, ~20% oxidation, ~10% pebbles to small gravels</p> <p>120-140 – <b>Weathered Glacial</b> – Gray to blueish gray medium to coarse grained sand, ~10% pebbles to small gravels</p> <p>Started auger at 90 cmbs due to narrowing caused by compaction. Terminated in glacial. Water table at base.</p>	None
300	JG 088	563500 m E 5332660 m N	<p>0-24 – <b>Plow zone</b> – Very dark brown (wet) loam to silt loam, firm</p> <p>28-47 – <b>Alluvial</b> – Light gray fine grained silty sand to sandy silt, 10-20% oxidation, &lt;5% pebbles, firm</p> <p>47-68 – <b>Weathered Glacial</b> – Light gray to gray medium to coarse grained sand, &lt;10% pebbles to small gravels, slightly firm</p> <p>68-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, slightly firm</p>	None
301	JG 087	563540 m E 5332660 m N	<p>0-28 – <b>Plow zone</b> – Very dark brown (wet) loam to silt loam, firm</p> <p>28-60 – <b>Weathered Glacial?</b> – Light brownish gray medium grains with fine grained sands, ~5% pebbles, subangular to rounded</p> <p>60-110 – <b>Weathered Glacial</b> – Light brownish gray fine to medium grained sand with silts, ~5% pebbles, firm</p> <p>110-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles and small gravels, wet</p> <p>Started auger at 100 cmbs. Terminated on rocks. Water table at 120 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
302	LF 058	563500 m E 5332620 m N	<p>0-34 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam/sandy-loam with gray clayey-sand inclusions, no gravels, friable</p> <p>34-76 – <b>Possibly Alluvial</b> – Gray clayey-sand mottled with oxidized red-brown sediments throughout, &lt;5% subangular to subrounded gravels and pebbles</p> <p>76-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with 5% subangular to round gravels and pebbles, also mottled with oxidized red-brown sediments throughout, loose</p> <p>105-140 – <b>Weathered Glacial</b> – Gray coarse grained sand with 45% subrounded to round gravels, pebbles, and cobbles, wet, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 130 cmbs.</p>	None
303	SB 01	563460 m E 5332620 m N	<p>0-28 – <b>Plow zone</b> – Very dark brown loamy silt, no gravels, firm to very firm, moist</p> <p>28-90 – <b>Weathered Glacial?</b> – Strong brown medium grained sand with coarse grains and some silts, 10-20% pebbles to gravels</p> <p>90-100 – <b>Weathered Glacial?</b> – Gray to blueish gray fine to medium grained sand, some silts</p> <p>Excavated by Sam Barr.</p>	None
304	LF 059	563420 m E 5332620 m N	<p>0-29 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam/sandy-loam with clayey-sand intrusions and 1% subangular to subrounded gravels, friable</p> <p>29-47 – <b>Alluvial?</b> – Gray fine to medium-coarse grained clayey-sand mottled with oxidized red-brown sediments, no gravels, firm</p> <p>47-102 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand mottled with oxidized sediments, &lt;5% subangular to round gravels and pebbles</p> <p>102-135 – <b>Weathered Glacial</b> – Gray coarse grained sand with 10% subangular to round gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 120 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
305	LF 060	563380 m E 5332620 m N	<p>0-31 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam/sandy-loam with clayey-sand intrusions and 1% subangular to subrounded gravels, friable</p> <p>31-47 – <b>Alluvial</b> – Gray fine to medium-coarse grained clayey-sand mottled with oxidized red-brown sediments, no gravels, firm</p> <p>47-105 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray medium-coarse grained sand mottled with oxidized sediments, &lt;5% subangular to round gravels and pebbles</p> <p>105-125 – <b>Weathered Glacial</b> – Gray coarse grained sand with 10% subangular to round gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 115 cmbs.</p>	None
306	LF 061	563340 m E 5332620 m N	<p>0-29 – <b>Plow zone with Disturbed Glacial Materials</b> – Dark brown loam/sandy-loam with gray, clayey-sand inclusions and 5% subangular to subrounded gravels, friable</p> <p>29-35 – <b>Weathered Glacial</b> – Gray clayey-sand with scattered clumps of oxidized sediments and 30% subangular to subrounded gravels, firm</p> <p>35-132 – <b>Weathered Glacial</b> – Red-gray medium-coarse grained sand with oxidized sediments throughout, 40% gravels, pebbles, and cobbles, well-sorted</p> <p>132-155 – <b>Weathered Glacial</b> – Gray coarse grained sand with 20% gravels, pebbles and cobbles, wet, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 115 cmbs.</p>	None
307	LF 062	563300 m E 5332620 m N	<p>0-29 – <b>Plow zone</b> – Dark brown loam/sandy-loam with 10% subangular to subrounded gravels, friable</p> <p>29-42 – <b>Possibly Alluvial</b> – Light gray fine grained clayey-sand with scattered clumps of oxidized sediments and 5% subangular to subrounded gravels, firm</p> <p>42-122 – <b>Weathered Glacial?</b> – Gray medium to coarse grained sand with 5-20% subangular to subrounded gravels and pebbles, gravel content decreasing with depth while sediment coarseness increased</p> <p>122-145 – <b>Weathered Glacial</b> – Dark gray coarse grained sand with 20% subangular to round gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 130 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
308	LF 063	563260 m E 5332620 m N	<p>0-34 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam/silt with oxidized, red-gray clayey-silty-sand intrusions, no gravels, friable</p> <p>34-81 – <b>Alluvial</b> – Light gray clayey-silty-sand, no gravels, with streaks of oxidized red-brown sediments throughout, firm</p> <p>81-105 – <b>Possibly Alluvial</b> – Gray/oxidized red-brown medium-coarse grained sand with 5% subangular to subrounded gravels and pebbles</p> <p>105-135 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% subangular to round gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 120 cmbs.</p>	None
309	LF 064	563220 m E 5332620 m N	<p>0-36 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam/loamy-silt/loamy-sand with gray and red-brown oxidized clayey-sand inclusions and &lt;1% subangular to subrounded gravels, friable</p> <p>36-51 – <b>Possibly Alluvial</b> – Gray medium-coarse grained sand with 5% subangular to subrounded gravels and mottled with oxidized red-brown sediments throughout</p> <p>51-120 – <b>Weathered Glacial</b> – Red/orange medium-coarse grained clayey-sand, compact</p> <p>120-140 – <b>Weathered Glacial</b> – Gray fine grained clayey-silty-sand with 50% subangular to round gravels, pebbles, and cobbles</p> <p>Started auger at 85 cmbs. Terminated due to rock obstruction.</p>	None
310	LF 065	563180 m E 5332620 m N	<p>0-26 – <b>Plow zone</b> – Dark brown silty loam/sandy-loam, no gravels</p> <p>26-105 – <b>Possibly Alluvial</b> – Red-brown/gray medium-coarse grained sand with 5% subangular to subrounded gravels and pebbles, oxidized, clumpy, dense</p> <p>105-115 – <b>Weathered Glacial</b> – Gray fine grained clayey-sand with 70% subangular to round gravels, pebbles, and cobbles, wet, coarse</p> <p>Started auger at 100 cmbs. Terminated due to rock content obstructing auger.</p>	50 cmbs: Clay pigeon fragment (~3 cm wide)
311	JG 097	563180 m E 5332580 m N	<p>0-29 – <b>Plow zone with Disturbed Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>29-75 – <b>Possibly Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, no gravels, damp, firm</p> <p>75-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, moist, firm to slightly firm</p>	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
312	LF 066	563220 m E 5332580 m N	<p>0-31 – <b>Plow zone</b> – Dark brown silty-loam/loamy-sand with red-gray, oxidized clayey-sand inclusions, no gravels (till layer)</p> <p>31-57 – <b>Alluvial</b> – Red/orange/gray medium-coarse grained clayey-sand, no gravels, oxidized, clumpy (possible wetland or alluvial)</p> <p>57-110 – <b>Possibly Alluvial</b> – Gray medium-coarse grained sand with scattered oxidized sediments and 5% subangular to subrounded gravels and pebbles (alluvial)</p> <p>110-140 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15% subrounded to round gravels and pebbles, wet, loose (glacial)</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 120 cmbs.</p>	None
313	JG 098	563260 m E 5332580 m N	<p>0-31 – <b>Plow zone</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>31-58 – <b>Alluvial</b> – Light brownish gray fine to medium grained sand, 5-10% pebbles to small gravels, subangular to rounded, damp, firm, clear boundary</p> <p>58-75 – <b>Alluvial</b> – Light gray to gray fine grained silty sand to sand with silts, firm, clear boundary</p> <p>75-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, moist, firm to slightly firm</p>	None
314	LF 067	563300 m E 5332580 m N	<p>0-28 – <b>Plow zone</b> – Dark brown loam/sandy loam, no gravels; patch of medium-coarse sand approximately 10cm x 15 cm on north aspect, likely due to tilling</p> <p>28-33 – <b>Wetland/Alluvial Deposit</b> – Gray medium-coarse grained sand, no gravels</p> <p>33-50 – <b>Alluvial</b> – Gray fine grained clayey-silty-sand with minor amounts of oxidized sediments distributed throughout</p> <p>50-110 – <b>Weathered Alluvial/Reworked Glacial?</b> – Red/orange/brown medium-coarse grained sand with 10% subangular to subrounded gravels and pebbles, oxidized, clumpy</p> <p>110- 140 – <b>Weathered Glacial</b> Gray coarse grained sand with 10% subangular to subrounded gravels and pebbles, wet, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 130 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
315	LF 068	563340 m E 5332580 m N	0-29 – <b>Plow zone</b> – Dark brown silty-loam/loamy-sand with <1% subangular to subrounded gravels and pebbles, friable 29-59 – <b>Weathered Glacial</b> – Red-gray medium to coarse grained sand with 30% subangular to subrounded gravels, oxidized 59-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 15% gravels and pebbles and minor amounts of oxidized, red-brown sediments, loose  Terminated in glacial materials.	None
316	LF 069	563380 m E 5332580 m N	0-31 – <b>Plow zone</b> – Dark brown silty-loam/sandy-loam, no gravels, friable 31-110 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with oxidized sediments distributed throughout giving red tinge, 15-20% subangular to subrounded gravels and pebbles, loose  Terminated in glacial materials.	None
317	LF 070	563420 m E 5332580 m N	0-33 – <b>Plow zone with Alluvial Materials</b> – Dark brown silty-sandy-loam with inclusions of gray clayey-sand, no gravels, friable 33-58 – <b>Alluvial?</b> – Light gray fine grained silty-clayey-sand with scattered streaks of oxidized sediments throughout, no gravels, clumpy 58-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with 5% subangular to subrounded gravels and pebbles, loose  Terminated in glacial materials.	None
318	LF 071	563460 m E 5332580 m N	0-33 – <b>Plow zone</b> – Dark brown silty-sandy-loam, no gravels, friable 33-46 – <b>Alluvial</b> – Light gray fine grained silty-clayey-sand with streaks of red-brown oxidized sediments throughout, no gravels, clumpy 46-100 – <b>Weathered Glacial</b> – Red-gray sand with streaks of orange sediments and 20% subangular to subrounded gravels, pebbles, and cobbles, proportion of cobbles increasing with depth (up to 70% of gravels at 100 cmbs)  Terminated at extent of shovel due to rock content obstructing auger.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
319	LF 072	563500 m E 5332580 m N	0-28 – <b>Plow zone</b> – Dark brown silty-sandy-loam, no gravels, friable 28-54 – <b>Alluvial</b> – Light gray fine grained silty-clayey-sand with streaks of red-orange sediments throughout, no gravels, clumpy, firm 54-110 – <b>Weathered Glacial?</b> – Gray fine to medium-coarse grained sand with <1% subangular to subrounded gravels and streaks of red-orange oxidized sediments throughout 110-140 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% subangular to round gravels and pebbles, wet, loose  Started auger at 100 cmbs. Terminated in glacial materials. Water table at 130 cmbs.	None
320	JG 103	563460 m E 5332540 m N	0-31 – <b>Plow zone with Disturbed Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary 31-55 – <b>Alluvial</b> – Light gray to light brownish gray fine to medium grained sand with some silts, oxidation gradually increasing with depth (0 -40% by 55 cmbs), <5% pebbles and small gravels 55-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, some silts, 20-30% oxidation, <5% pebbles to small gravels	None
321	JG 102	563420 m E 5332540 m N	0-32 – <b>Plow zone with Disturbed Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary 32-85 – <b>Alluvial</b> – Light gray to light brownish gray fine to medium grained sand with some silts, oxidation gradually increasing with depth (0 -10% to 36 cmbs, 30-40% to 44 cmbs, 50-60% to 85 cmbs), <5% pebbles and small gravels 85-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, some silts, 20-30% oxidation, <5% pebbles to small gravels	None
322	JG 101	563380 m E 5332540 m N	0-29 – <b>Plow zone with Disturbed Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary 29-66 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, 30-40% oxidation (light yellowish brown to strong brown staining), no gravels, damp, firm 66-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, some oxidation, <10% pebbles to small gravels, subangular to rounded, moist, firm to slightly firm	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
323	JG 100	563340 m E 5332540 m N	0-29 – <b>Plow zone with Disturbed Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary 29-46 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, no gravels, damp, firm 46-75 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sandy loam, sticky, ~10% pebbles to small gravels, firm 75-115 – <b>Weathered Glacial</b> – Light brownish gray to brownish gray coarse grained sand with silt and clay, ~50% oxidation (strong brown mottling), firm to very firm 115-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, wet  Started auger at 95 cmbs. Terminated in glacial.	None
324	JG 099	563300 m E 5332540 m N	0-29 – <b>Plow zone with Disturbed Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary 29-50 – <b>Alluvial</b> – Light gray to light brownish gray fine to medium grained sand, some silts, 10-20% mottling, damp, firm 50-1110 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sand with some clay/silts, ~10% pebbles to small gravels, sticky, moist, firm to very firm 110-140 – <b>Weathered Glacial</b> – Gray to blueish gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, wet  Started auger at 85 cmbs due to compaction and sticky sediments. Terminated in glacial. Water table at base.	None
325	Skipped	563260 m E 5332540 m N	Skipped due to previous study associated with powerline installation	
326	Skipped	563220 m E 5332540 m N	Skipped due to previous study associated with powerline installation	
327	Skipped	563180 m E 5332540 m N	Skipped due to previous study associated with powerline installation	
328	SL 036	562780 m E 5332500 m N	0-27 – <b>Plow zone</b> – Very dark brown silty loam 27-47 – <b>Alluvial</b> – Dark brown sandy loam 47-59 – <b>Wetland/Alluvial Deposit</b> – Yellowish brown silty loam 59-102 – <b>Weathered Glacial</b> – Very dark gray sandy loam	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
329	SL 035	562820 m E 5332500 m N	0-34 – <b>Plow zone</b> – Very dark brown silty loam 34-62 – <b>Possibly Alluvial</b> – Dark gray mottled with yellowish brown silty loam 62-99 – <b>Weathered Glacial</b> – Yellowish brown sandy loam	None
330	SL 034	562860 m E 5332500 m N	0-34 – <b>Plow zone</b> – Very dark brown silty loam 34-70 – <b>Weathered Glacial</b> – Dark yellowish brown silty loam, ~10% gravels, ~1% pebbles, very compact 70-73 – <b>Weathered Glacial</b> – Very dark gray sandy loam in northwest part of wall, natural 73-91 – <b>Weathered Glacial</b> – Dark gray sandy loam	None
331	SL 033	562900 m E 5332500 m N	0-36 – <b>Plow zone</b> – Very dark gray silt loam 36-69 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray silt loam 69-91 – <b>Weathered Glacial</b> – Gley to blueish-gray silt loam, ~10% gravels	None
332	SL 032	562940 m E 5332500 m N	0-38 – <b>Plow zone</b> – Very dark brown silt loam 38-92 – <b>Weathered Glacial</b> – Dark yellowish brown mottled with dark gray silt loam, ~10% gravels	None
333	SL 031	562980 m E 5332500 m N	0-37 – <b>Plow zone</b> – Very dark brown silt loam 37-88 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray silt loam, ~10% gravels	None
334	SL 030	563020 m E 5332500 m N	0-33 – <b>Plow zone</b> – Very dark brown silt loam 33-46 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown silty loam 46-96 – <b>Weathered Glacial</b> – Yellowish brown silt loam, sticky, ~10% gravel	None
335	SL 029	563060 m E 5332500 m N	0-39 – <b>Plow zone</b> – Very dark brown silt loam 39-61 – <b>Alluvial</b> – Dark grayish brown silt loam, mottled with yellowish brown 61-87 – <b>Alluvial?</b> – Dark brown silt loam	None
336	SL 028	563100 m E 5332500 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam with charcoal flecking (root burn) in wall 32-58 – <b>Alluvial</b> – Dark grayish brown mottled with yellowish brown fine grained sandy loam 58-90 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark grayish brown mottled with yellowish brown medium grained sandy loam	None
337	SL 027	563140 m E 5332495 m N	0-29 – <b>Plow zone</b> – Very dark brown silty loam 29-57 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark gray mottled with yellowish brown sandy loam 57-96 – <b>Weathered Glacial</b> – Very dark gray sandy loam  Groundwater at 93 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
338	JG 108	563180 m E 5332500 m N	<p>0-30 – <b>Plow zone</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>30-44 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, no gravels, damp, firm</p> <p>44-130 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light grayish brown medium grained sand, 5-10% pebbles and small gravels, slightly firm to soft</p> <p>130-160 – <b>Weathered Glacial</b> – Gray to blueish gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, wet</p> <p>Started auger at 100 cmbs. Terminated in glacial. Water table at base.</p>	None
339	JG 107	563220 m E 5332500 m N	<p>0-30 – <b>Disturbed Topsoil and imported gravels</b> – Dark brown loam, some light gray to light brownish gray sandy silt to silty sand, ~40% pebbles to cobbles, angular to rounded, moist, slightly firm</p> <p>30-60 – <b>Possibly Alluvial</b> – Light gray to light brownish gray fine grained sandy silt to silty sand, 10-20% oxidation, ~1% pebbles, subrounded to rounded, firm</p> <p>60-113 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown medium to coarse grained sand, ~10% pebbles and small gravels</p> <p>Started auger at 100 cmbs. Terminated on rocks with possible hint of gray medium to coarse grained sand (possibly glacial materials) at base.</p>	0-20 cmbs – 1 shard brown bottle glass, 1 piece of coal
340	JG 106	563260 m E 5332500 m N	<p>0-26 – <b>Plow zone</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>26-40 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, ~10% oxidation, no gravels, damp, firm</p> <p>40-56 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light brownish gray medium grains with fine grained sand, ~30-40% oxidation (brown to yellowish brown staining), ~10% pebbles to small gravels</p> <p>56-125 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~50% oxidation (brown to yellowish brown), ~10% pebbles to small gravels</p> <p>125-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, unknown percent pebbles and gravels</p> <p>Started auger at 100 cmbs. Terminated on rocks.</p>	None
341	Skipped	563300 m E 5332500 m N	Skipped due to previous study associated with powerline installation	

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
342	LF 073	563340 m E 5332500 m N	0-33 – <b>Plow zone</b> – Dark brown fine grained silty-sandy-loam, no gravels, friable 33-53 – <b>Alluvial</b> – Light gray fine to medium grained sand with streaks of oxidized sediments throughout, no gravels, clumpy, sticky 53-100 – <b>Possibly Alluvial</b> – Red-orange fine to medium grained sand with 1% subangular to subrounded gravels, clumpy, sticky 100-120 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% subrounded to round gravels and pebbles, loose  Terminated in glacial materials.	None
343	JG 105	563380 m E 5332500 m N	0-25 – <b>Plow zone with Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary 25-75 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light brownish gray fine to medium grained sand with some silts, oxidation gradually increasing with depth (0 -10% to ~36 cmbs, 30-40% to 46 cmbs, 50-60% to 75 cmbs), <5% pebbles and small gravels 75-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, some silts, 20-30% oxidation, <5% pebbles to small gravels	None
344	JG 104	563420 m E 5332500 m N	0-30 – <b>Plow zone with Alluvial Materials</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary 30-57 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light brownish gray fine to medium grained sand with some silts, oxidation gradually increasing with depth, <5% pebbles and small gravels 57-86 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sand with silts and clays, <5% pebbles to small gravels, moist, firm 86-100 – <b>Weathered Glacial</b> – Gray to greenish gray medium to coarse grained sandy clay to clayey sand, sticky, wet	None
345	Skipped	563420 m E 5332460 m N	Skipped due to previous study associated with powerline installation	
346	Skipped	563380 m E 5332460 m N	Skipped due to previous study associated with powerline installation	

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
347	JG 113	563340 m E 5332460 m N	<p>0-36 – <b>Plow zone</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>30-36 - <b>Intact Relict Topsoil/ Wetland Deposit</b> – Dark brownish gray loamy silt, no gravels, possible charcoal or carbonized plant staining, firm, clear to diffuse boundary</p> <p>36-50 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, no gravels, damp, firm, clear boundary</p> <p>50-115 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray fine to medium grained sand with light brown streaking, &lt;10% pebbles, slightly firm to firm</p> <p>115-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to medium gravels, subangular to rounded, wet</p> <p>Started auger at 100 cmbs. Terminated on rocks. Water table at 125 cmbs.</p>	None
348	JG 112	563300 m E 5332460 m N	<p>0-30 – <b>Plow zone</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>30-125 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with pockets of fine grained sand and silty sand, 20-30% light brownish gray streaks, ~10% pebbles to medium gravels, subangular to rounded, wet at base with increasing coarseness near base</p> <p>Started auger at 100 cmbs. Terminated on rocks</p>	None
349	JG 111	563260 m E 5332460 m N	<p>0-28 – <b>Plow zone</b> – Very dark brown silt loam with chunks of strong brown and light gray fine grained sand to silty sand in lower 10 cm, moist, firm, irregular boundary</p> <p>28-45 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, ~10% oxidation/root staining, no gravels, damp, firm</p> <p>45-68 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light brownish gray medium grains with fine grained sand, ~10% oxidation, &lt;5-10% pebbles, damp, slightly firm to firm</p> <p>68-90 – <b>Weathered Glacial</b> – Brownish gray medium grained sand, 5-10% pebbles, moist, slightly firm to firm</p> <p>90-109 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand with silts, 30-40% pebbles to small gravels, subangular to rounded, firm</p> <p>Started auger at 97 cmbs. Terminated on rocks.</p>	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
350	JG 110	563220 m E 5332460 m N	<p>0-31 – <b>Plow zone</b> – Dark brown loam, 20-30% small gravels to cobbles, subangular to rounded, damp to moist, firm, clear boundary</p> <p>31-41 - <b>Intact Relict Topsoil/Wetland deposit</b> – Dark brownish gray loamy silt, no gravels, possible charcoal or carbonized plant staining, firm, clear boundary</p> <p>41-55 – <b>Alluvial</b> – Light gray fine grained sand, &lt;10% oxidation, no gravels, firm</p> <p>55-83 <b>Weathered Alluvial/Reworked Glacial?</b> Light brown fine to medium grained sand, &lt;10% pebbles, subangular to rounded, slightly firm to firm, clear boundary</p> <p>83-130 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, &lt;10% pebbles, subangular to rounded, slightly firm to firm</p> <p>Started auger at 100 cmbs. Terminated on rocks.</p>	None
351	JG 109	563180 m E 5332460 m N	<p>0-25 – <b>Disturbed</b> - Dark brown loam, 30-40% small to large gravels, subangular to rounded, irregular boundary</p> <p>25-40 – <b>Disturbed/ Imported</b> - Light grayish brown medium to coarse grained sand, 40-50% pebbles to large gravels, subangular to rounded, abrupt boundary</p> <p>40-55 – <b>Intact Relict Topsoil/ Wetland Deposit</b> – Dark brownish gray loamy silt, no gravels, possible charcoal or carbonized plant staining, firm, abrupt boundary</p> <p>40-80 – <b>Alluvial</b> – Brown fine grained sand, no gravels, firm</p> <p>80-108 – <b>Alluvial</b> – Light gray fine grained sand, &lt;10% oxidation, no gravels, firm</p> <p>108-129 – <b>Wetland/Alluvial?</b> – Light brownish gray silty clay with pockets of fine grained sand, 10-20% oxidation, firm to very firm</p> <p>129-150 – <b>Weathered Glacial</b> – Very light gray fine to medium grained sand, no gravels, dry, slightly firm</p> <p>150-160 – <b>Weathered Glacial</b> – Gray medium grained sand, no gravels, moist, slightly firm</p> <p>Started auger at 100 cmbs. Terminated at depth of tool.</p>	0-20 cmbs – piece of black plastic sheet wrapping in sidewall

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
352	JG 163	563140 m E 5332460 m N	<p>0-26 – <b>Plow zone</b> – Dark brown loam, &lt;1% pebbles, firm, moist</p> <p>0-26 – Dark brown loam, &lt;1% pebbles, firm, moist</p> <p>15-38 – <b>Alluvial</b> – Light gray fine grained sand, no gravels, firm</p> <p>38-48 – <b>Possibly Alluvial</b> – Light grayish brown to light brownish gray fine to medium grained sand, no gravels, firm</p> <p>48-84 – <b>Weathered Glacial</b> – Yellowish brown sandy clay loam, 5-10% pebbles to small gravels, some strong brown oxidation staining, sticky, firm, moist to wet</p> <p>84-110 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained loamy sand, with ~60% brown to strong brown staining at top decreasing with depth, 20-30% pebbles to gravels, subangular to rounded, firm to slightly firm, slump, wet</p> <p>110-120 – <b>Weathered Glacial</b> – Grayish brown medium to coarse grained sand, 20-30% pebbles to small gravels, slightly firm, wet</p> <p>120-135 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 20-30% pebbles to small gravels, slightly firm, wet</p> <p>Started auger at 100 cmbs. Terminated on rock. Water table at 100 cmbs.</p>	None
353	JG 164	563100 m E 5332460 m N	<p>0-29 – <b>Plow zone</b> – Dark brown loam to sandy loam, no gravels, with chunks of light gray to light yellowish brown medium grained sandy loam to loamy sand in lower 10 cmbs, firm, moist</p> <p>29-70 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium grained sandy loam to loamy sand, no gravels, mottled with 30-40% oxidation, firm to very firm, moist</p> <p>70-80 – <b>Weathered Glacial</b> – Light gray sandy loam to loamy sand, no gravels, 30-40% oxidation, firm to very firm, moist to wet</p> <p>80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 30-40% oxidation, no gravels, firm, wet</p> <p>Terminated in weathered glacial.</p>	0-20 cmbs – 1 rusty/corroded wire cut nail, 4-5 inches long

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
354	JG 165	563060 m E 5332460 m N	<p>0-31 – <b>Plow zone</b> – Dark brown loam to sandy loam, no gravels, with chunks of light gray, grayish brown, brownish gray and strong brown mottled fine grained sandy loam in lower 10 cmbs, firm, moist</p> <p>31-77 – <b>Alluvial</b> – Light gray, grayish brown, brownish gray and strong brown mottled fine grained sandy loam with pockets of silt loam/very fine grained sandy loam and loamy sand, firm to very firm, moist</p> <p>77-94 – <b>Alluvial</b> – Light yellowish brown to light gray fine grained sandy loam to loamy sand, 20-30% oxidation</p> <p>94-140 – <b>Weathered Glacial</b> – Gray to strong brown medium to coarse grained sand, few pebbles</p> <p>140-150 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, wet</p> <p>Started auger at 90 cmbs due to narrowing caused by compaction. Water table at 110 cmbs.</p>	None
355	JG 166	563020 m E 5332460 m N	<p>0-26 – <b>Plow zone</b> – Dark grayish brown silty loam, some charcoal/carbon specks, few gravels, firm, diffuse boundary</p> <p>26-40 – <b>Alluvial</b> – Light gray to gray very fine grained sandy loam, some charcoal specks, firm to very firm, clear boundary</p> <p>40-88 – <b>Weathered Glacial</b> – Strong brown sandy clay loam, &lt;5% pebbles to small gravels, sticky, firm to very firm</p> <p>88-110 – <b>Weathered Glacial</b> – Gray to strong brown medium to coarse grained sand, few pebbles to small gravels</p> <p>Started auger at 90 cmbs due to sticky/firm soil. Terminated on rocks. Water table at 105 cmbs.</p>	None
356	JG 167	562980 m E 5332460 m N	<p>0-31 – <b>Plow zone</b> – Dark brown loam to sandy loam, no gravels, with chunks of light gray medium grained sandy loam to loamy sand, in lower 10 cm, firm, moist</p> <p>31-40 – <b>Weathered Glacial?</b> – Light gray medium grained sandy loam to loamy sand, firm, diffuse boundary</p> <p>40-60 – <b>Weathered Glacial</b> – Strong brown sandy clay loam, &lt;5% pebbles to small gravels, sticky, firm to very firm</p> <p>60-110 – <b>Weathered Glacial</b> – Gray to brownish gray medium grained sand to loamy sand, few gravels, firm, moist</p> <p>110-120 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, few gravels, wet</p> <p>Started auger at 100 cmbs to verify sediments. Terminated in intact glacial. Water table at ~89 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
357	JG 168	562940 m E 5332460 m N	<p>0-28 – <b>Plow zone</b> – Dark brown loam, no gravels, firm, abrupt</p> <p>28-50 – <b>Alluvial</b> – Light gray to light brownish gray loam to very fine grained sandy loam, no gravels, firm to very firm, clear boundary</p> <p>50-96 – <b>Weathered Glacial</b> – Light yellowish brown and brownish gray medium grained sand and clay loam, non-homogenous, some oxidation at top increasing with depth, large chunks of decomposing rock/compacted black sand at ~60 cmbs in wall</p> <p>Started auger at 65 cmbs due to narrowing caused by compaction and rock. Terminated on rocks. Water table at base.</p>	None
358	JG 169	562900 m E 5332460 m N	<p>0-29 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark grayish brown silt loam, few gravels, with chunks of light yellowish brown to light gray very fine grained sandy loam with strong brown oxidation, firm, moist</p> <p>29-47 – <b>Alluvial</b> – Light gray very fine grained sandy silty loam, firm to very firm</p> <p>47-58 – <b>Alluvial</b> – Strong brown loam to silt loam, 5-10% pebbles to small gravels, sticky, firm</p> <p>58-65 – <b>Alluvial</b> – Light gray sandy loam, 5-10% pebbles to small gravels, firm</p> <p>65-75 – <b>Alluvial</b> – Strong brown sandy loam, 5-10% pebbles to small gravels, firm</p> <p>75-100 – <b>Weathered Glacial</b> – Dark gray to blueish gray fine to medium grained loamy sand, no gravels, anaerobic smell, firm to very firm</p> <p>100-110 – <b>Weathered Glacial</b> – Gray sandy clay loam, anaerobic smell, wet to saturated</p> <p>110-130 – <b>Weathered Glacial</b> – Gray medium grained sand with some silts, no gravels, wet to saturated</p> <p>Started auger at 83 cmbs due to narrowing caused by compaction. Terminated in glacial. Water table at 97 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
359	JG 170	562860 m E 5332460 m N	0-32 – <b>Plow zone</b> – Dark brown loam, 5-10% pebbles to small gravels, some mottling of brownish gray to grayish brown in lower 5 cm (possible relict topsoil remnants) firm 32-37 – <b>Alluvial/Reworked Glacial?</b> – Light gray fine grained sandy loam to loamy sand (sandy silt/silty sand) 5-10% pebbles 37-60 – <b>Weathered Glacial?</b> – Light gray to gray fine to medium grained loamy sand, 10-20% oxidation, 5-10% pebbles to small gravels, firm, moist to wet 60-100 – <b>Weathered Glacial</b> – Gray medium grained with coarse grained sand, 5-10% pebbles to small gravels, wet, slightly firm to firm  Water table at 94 cmbs.	None
360	JG 171	562820 m E 5332460 m N	0-32 – <b>Plow zone</b> – Dark grayish brown loam, few gravels, firm, damp, clear boundary 32-47 – <b>Weathered Glacial?</b> – Light gray silty clay loam and fine to very fine grained sandy clay loam, non-homogenous, 30-40% strong brown oxidation, sticky, firm to very firm, moist, diffuse boundary 47-75 – <b>Weathered Glacial?</b> – Strong brown silty clay and fine grained sandy clay, non-homogeneous, sticky, firm, moist-weak, diffuse boundary 75-107 – <b>Weathered Glacial</b> – Light gray and light brownish gray fine to medium grained sandy clay loam to sandy loam, 20-30% strong brown oxidation, firm 107-121 – <b>Weathered Glacial</b> – Gray fine to medium grained sand to loamy sand, wet  Started auger at 100 cmbs. Terminated on rock. Water table at base.	None
361	JG 172	562780 m E 5332460 m N	0-30 – <b>Plow zone</b> – Dark grayish brown loam, 5-10% pebbles, firm, damp, clear 30-52 – <b>Weathered Alluvial/Reworked Glacial?</b> – Strong brown coarse to very coarse grained sandy loam, some mottling, 20-30% pebbles to gravels, tacky, firm to very firm, diffuse boundary 52-78 – <b>Weathered Glacial</b> – Strong brown silty clay and medium grained sandy clay, 10-20% pebbles to small gravels, non-homogeneous, sticky, firm, moist-weak, clear boundary 78-90 – <b>Weathered Glacial</b> – Light brownish gray coarse grained sandy clay loam, some oxidation, 10-20% pebbles to small gravels, firm to very firm, moist 90-105 – <b>Weathered Glacial</b> – Grayish brown to brownish gray medium to coarse grained sandy loam to loamy sand, 10-20% pebbles to small gravels, firm, moist  Started auger at 80 cmbs due to sticky and compacted sediments. Terminated on rock.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
362	LF 085	562780 m E 5332420 m N	<p>0-29 – <b>Plow zone</b> – Dark brown fine grained sandy loam, with 5% subangular to subrounded gravels, friable</p> <p>29-47 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained clayey loamy sand, with &lt;1% subangular to subrounded gravels, and scattered inclusions of red-brown oxidized sediments, clumpy, sticky</p> <p>47-83 – <b>Weathered Glacial</b> – Red-gray coarse grained sand with 25% subangular to subrounded gravels, pebbles, and cobbles, loose, wet</p> <p>71-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 30% subrounded to round gravels, pebbles, and cobbles, loose, wet</p> <p>Terminated in glacial materials. Water table at 100 cmbs.</p>	None.
363	LF 084	562820 m E 5332420 m N	<p>0-34 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable</p> <p>34-71 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained clayey loamy sand, with &lt;1% subangular to subrounded gravels, and scattered inclusions of red-brown oxidized sediments, clumpy, sticky</p> <p>71-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, increasing in coarseness with depth, with &lt;5% subangular to subrounded gravels, loose, wet</p> <p>Terminated in glacial materials. Water table at 100 cmbs.</p>	None.
364	LF083	562860 m E 5332420 m N	<p>0-29 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable</p> <p>29-49 – <b>Weathered Glacial</b> – Gray medium-coarse grained loamy sand, with &lt;1% subangular to subrounded gravels, and scattered inclusions of red-brown oxidized sediments, clumpy, sticky</p> <p>49-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, increasing in coarseness with depth, with &lt;5% subangular to round gravels and pebbles, loose, wet</p> <p>Terminated in glacial materials. Water table at 100 cmbs.</p>	None.

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
365	LF 082	562900 m E 5332420 m N	0-26 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable 26-74 – <b>Possibly Alluvial</b> – Gray fine grained loamy sand, increasing in coarseness with depth, with <1% subangular to subrounded gravels, and scattered inclusions of red-brown oxidized sediments, clumpy, sticky 74-100 – <b>Weathered Glacial</b> – Dark gray sand with <5% subangular to round gravels and pebbles, loose, wet  Terminated in glacial materials. Water table at 100 cmbs.	None.
366	LF 081	562940 m E 5332420 m N	0-30 – <b>Plow zone</b> – Dark brown fine sandy loam, no gravels, friable 30-42 – <b>Weathered Glacial</b> – Gray fine loamy sand with <1% subangular to subrounded gravels, and scattered inclusions of red-brown oxidized sediments, clumpy 42-83 – <b>Weathered Glacial</b> – Orange-red medium-coarse loamy clayey sand with 20% subangular to round gravels, pebbles and cobbles, clumpy 83-100 – <b>Weathered Glacial</b> – Dark gray sand with 20% subangular to round gravels and pebbles, loose, wet  Terminated in glacial materials. Water table at 100 cmbs.	None.
367	LF 080	562980 m E 5332420 m N	0-31 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable 31-67 – <b>Weathered Glacial</b> – Combination of equal parts gray medium-coarse grained clayey loamy sand, clumpy, and red-brown oxidized medium-coarse grained loamy sand, with <1% subangular to subrounded gravels, clumpy 67-100 – <b>Weathered Glacial</b> – Dark gray sand with 20% subangular to round gravels and pebbles, with one cobble, loose, wet  Terminated in glacial materials. Water table at 100 cmbs.	None.
368	LF 079	563020 m E 5332420 m N	0-29 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable 29-40 – <b>Weathered Glacial</b> – Gray medium-coarse grained loamy sand with <1% subangular to subrounded gravels, and scattered inclusions of red-brown oxidized sediments, clumpy 40-69 – <b>Weathered Glacial</b> – Orange-red medium-coarse loamy clayey sand with 5% subangular to subrounded gravels, clumpy 68-100 – <b>Weathered Glacial</b> – Dark gray sand with 5% subangular to round gravels and pebbles, loose, wet  Terminated in glacial materials. Water table at 100 cmbs.	None.

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
369	LF 078	563060 m E 5332420 m N	<p>0-32 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, clumpy</p> <p>32-52 – <b>Weathered Glacial</b> – Gray medium-coarse grained loamy sand with &lt;1% subangular to subrounded gravels, and scattered inclusions of red-brown oxidized sediments, clumpy</p> <p>52-84 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 5% subangular to subrounded gravels, loose, wet</p> <p>73-100 – <b>Weathered Glacial</b> – Dark gray sand with 10% subrounded to round gravels and pebbles, loose, wet</p> <p>Terminated in glacial materials. Water table at 100 cmbs.</p>	None.
370	LF 077	563100 m E 5332420 m N	<p>0-29 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, clumpy</p> <p>29-51 – <b>Weathered Glacial</b> – Gray medium-coarse grained loamy sand with 1% subangular to subrounded gravels, and scattered inclusions of red-brown oxidized sediments, clumpy</p> <p>51-73 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 1% subangular to subrounded gravels, loose, wet</p> <p>73-100 – <b>Weathered Glacial</b> – Dark gray sand with 5% subangular to subrounded gravels and pebbles, loose, wet</p> <p>Terminated in glacial materials. Water table at 100 cmbs.</p>	None.
371	LF 076	563140 m E 5332420 m N	<p>0-22 – <b>Plow zone with Compacted Roadbed</b> – Dark brown medium-coarse grained sandy loam with 10% subangular gravels, compact (dirt roadbed fill)</p> <p>22-60 – <b>Weathered Glacial</b> – Gray medium-coarse grained loamy sand with 10% subangular to subrounded gravels and scattered inclusions of red-brown oxidized sediments, slightly compact</p> <p>60-84 – <b>Weathered Glacial</b> – Red-gray medium-coarse grained sand with 15% subangular to subrounded gravels, clumpy</p> <p>84-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand with 25% subangular to round gravels and pebbles, loose, wet</p> <p>Terminated in glacial materials. Water table at 100 cmbs.</p>	None.



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
372	JG 141	563180 m E 5332420 m N	<p>0-34 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown loam, no gravels, with chunks of light gray to light brownish gray fine grained sand to silty sand in bottom 5 cmbs, abrupt boundary</p> <p>34-55 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, firm, moist, gradual boundary</p> <p>55-70 – <b>Alluvial</b> – Light gray to gray fine grained sand, firm, moist to wet, clear boundary</p> <p>70-120 – <b>Alluvially Reworked Glacial</b> – Brown medium to coarse grained sand, &lt;5% pebbles, firm to slightly firm, wet</p> <p>120-150 – <b>Weathered Glacial</b> – Grayish brown to brownish gray medium to coarse grained sand, &lt;5% pebbles, saturated</p> <p>Started auger at 100 cmbs. Terminated at tool extent. Water table at 86 cmbs.</p>	0-34 cmbs – 2 shards of brown bottle glass
373	JG 142	563220 m E 5332420 m N	<p>0-67 – <b>Plow zone with Imported Gravels</b> – Dark brown loam, 20-30% pebbles with some cobbles, angular to subrounded, firm, abrupt boundary, disturbed</p> <p>67-92 – <b>Weathered Glacial</b> – Gray to light gray medium to coarse grained sand, 5-10% pebbles, wet</p> <p>Water table at 75 cmbs. Terminated in glacial.</p>	<p>0-67 cmbs – Mix of non-diagnostic debris – small chunks of coal, 1 small shard of brown bottle glass, 6+ rusted wire cut nails</p> <p>~50 cmbs – 1 medium chunk of concrete in wall</p>
374	JG 143	563260 m E 5332420 m N	<p>0-34 – <b>Plow zone with disturbed Wetland Materials</b> – Dark brown loam, no gravels, with chunks of brownish gray to dark gray silt (likely relict topsoil) in lower 15 cmbs</p> <p>34-47 – <b>Alluvial</b> – Light brownish gray to light gray fine grained sand, ~20% oxidation, firm</p> <p>47-80 – <b>Alluvial</b> – Yellowish brown fine to medium grained sand with silt to silty sand, 20-30% oxidation, wet</p> <p>80-115 – <b>Weathered Glacial</b> – Gray to brownish gray medium to coarse grained sand, firm, saturated</p> <p>Started auger at 90 cmbs due to water/sloppiness of soil. Terminated in glacial. Water table at 95 cmbs but seeping from 80 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
375	JG 144	563300 m E 5332420 m N	<p>0-16 – <b>Plow zone</b> – Dark brown loam to sandy loam, no gravels, firm</p> <p>16-30 – <b>Plow zone with Disturbed Alluvial Materials</b> – Chunks of dark brown loam to sandy loam and light gray to gray fine to medium grained sand, firm, abrupt</p> <p>30-52 – <b>Alluvial</b> – Light gray to gray fine to medium grained sand, no gravels, firm, moist</p> <p>52-67 – <b>Possible Wetland Deposit</b> – Brownish gray to grayish brown silt, firm to very firm</p> <p>67-80 – <b>Possibly Alluvial</b> – Light brownish gray to light grayish brown fine grained sand with medium grains and silt, &lt;5% pebbles to small gravels, sticky, wet</p> <p>80~120 – <b>Possibly Alluvial</b> – Estimated to be lenses of light brownish gray to light grayish brown fine grained sand with medium grains and silt and Gray medium to coarse grained sand, possible slumping</p> <p>~120-145 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;5% pebbles to small gravels, saturated/suction</p> <p>Started auger at 80 cmbs due to narrowing caused by compaction. Terminated in glacial. Water table at 70 cmbs.</p>	None
376	JG 145	563340 m E 5332420 m N	<p>0-36 – <b>Plow zone with disturbed Wetland Materials</b> – Dark brown loam, no gravels, with chunks of brownish gray to dark gray silt (likely relict topsoil) in lower 15 cmbs</p> <p>36-56 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to silty sand, no gravels, firm to very firm</p> <p>56-95 – <b>Weathered Glacial</b> – Gray to dark gray medium to coarse grained sand, 5-10% pebbles, subangular, saturated, slumping caused by water seepage</p> <p>Terminated in glacial. Water table at 80 cmbs but seeping from 65 cmbs.</p>	0-36 cmbs – 1 wire cut nail, 4 inches long
377	SL 020	563380 m E 5332420 m N	<p>0-33 – <b>Plow zone</b> – Very dark brown silty loam</p> <p>33-44 – <b>Alluvial</b> – Dark gray fine grained sandy loam</p> <p>44-92 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam</p> <p>Groundwater at 90 cmbs.</p>	None
378	SL 019	563340 m E 5332380 m N	<p>0-36 – <b>Plow zone</b> – Very dark brown silt loam</p> <p>36-43 – <b>Alluvial</b> – Dark gray fine grained sandy loam</p> <p>43-97 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown medium grained sandy loam</p> <p>Groundwater at 94 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
379	SL 018	563300 m E 5332380 m N	0-38 – <b>Plow zone</b> – Very dark brown silt loam 38-46 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam mottled with yellowish brown sandy loam 46-97 – <b>Weathered Glacial</b> – Yellowish brown clay loam (50% clay, ~20% silt, ~20% sand, ~10% gravels), very wet and sticky. (might be developed B horizon; outwash)  Groundwater at 92 cmbs.	None
380	SL 017	563260 m E 5332380 m N	0-35 – <b>Plow zone</b> – Very dark brown silt loam 35-50 – <b>Alluvial</b> – Dark gray mottled with yellowish brown fine grained sandy loam 50-95 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam  Groundwater at 89 cmbs.	None
381	SL 016	563220 m E 5332380 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam 32-54 – <b>Alluvial</b> – Dark gray mottled with yellowish brown fine grained sandy loam 54-94 – <b>Weathered Glacial</b> – Medium grained sandy loam  Groundwater at 91 cmbs.	None
382	SL 015	563180 m E 5332380 m N	0-34 – <b>Plow zone</b> – Very dark brown silt loam 34-43 – <b>Relict Topsoil/Alluvial</b> – Dark gray fine grained sandy loam, charcoal flecking from root burn (intact glacial outwash) 43-98 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam  Groundwater at 95 cmbs.	None
383	JG 181	563140 m E 5332380 m N	0-20 – <b>Plow zone</b> – Dark grayish brown loam to sandy loam, 40-50% pebbles to large gravels, subangular to rounded, firm 14-20 – <b>Displaced/Import</b> – Pale yellowish brown medium grained sand 20-42 – <b>Displaced/Import</b> – Grayish brown sandy loam, 20-30% predominantly pebbles to cobbles, firm 42-60 – <b>Alluvial</b> – Light gray fine grained loamy sand to sandy loam, firm, clear 60-82 – <b>Alluvially Reworked Glacial?</b> – Brown medium to coarse grained sand, 10-20% pebbles, firm, moist, clear boundary 82-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles, moist  Unit located on west toe slope of 59th Ave/M&N Railroad berm.	0-40 cmbs – burnt wood chunks

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
384	JG 180	563100 m E 5332380 m N	<p>0-29 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm, damp</p> <p>29-36 – <b>Alluvial</b> – Grayish brown very fine grained sandy loam to loam, no gravels, firm to very firm</p> <p>36-52 – <b>Alluvial</b> – Light gray fine grained sandy loam</p> <p>52-74 – <b>Weathered Glacial?</b> – Light gray loamy sand</p> <p>74-100 – <b>Weathered Glacial</b> – Gray medium grained sand, 20-30% pebbles to gravels, subangular to rounded, moist to wet</p> <p>Terminated in glacial. Water table at base.</p>	None
385	JG 179	563060 m E 5332380 m N	<p>0-29 – <b>Plow zone</b> – Dark grayish brown loam, 5-10% pebbles to small gravels, firm, damp, abrupt/irregular boundary</p> <p>29-45 – <b>Weathered Glacial</b> – Light gray fine to coarse grained sand to loamy sand, ~10% pebbles to small gravels, firm to very firm</p> <p>45-80 – <b>Weathered Glacial</b> – Light grayish brown to light brownish gray medium to coarse grained sand to loamy sand, ~10% pebbles to small gravels, subangular to rounded, firm, moist to wet</p> <p>80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, subangular to rounded, wet</p> <p>Terminated in glacial. Water table at 96 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
386	JG 178	563020 m E 5332380 m N	<p>0-20 – <b>Plow zone</b> – Dark brown silt loam, 10-20% pebbles to cobbles, 10-20% rootlets in top 15 cm, firm, moist, diffuse boundary</p> <p>20-27 – <b>Relict Topsoil/Wetland Sediment</b> – Mix of dark brown silt loam, 10-20% pebbles to cobbles, and Grayish brown silt to silt loam with charcoal specks (relict topsoil)</p> <p>27-50 – <b>Possible Wetland Deposit</b> – Light gray silt loam, no gravels, firm to very firm</p> <p>40-53 – <b>Alluvial</b> – Light gray and brown fine grained sand to loamy sand, few pebbles, firm</p> <p>53-72 – <b>Weathered Alluvial/Reworked Glacial?</b> – Strong brown fine to medium grained sandy clay loam, ~10% pebbles to small gravels</p> <p>72-78 – <b>Weathered Glacial</b> – Gray fine to medium grained sand to sandy loam, firm, moist</p> <p>78-100 – <b>Weathered Glacial</b> – Gray and strong brown fine to medium grained sand to sandy loam, ~10% pebbles to gravels, firm, moist to wet</p> <p>100-105 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sandy clay to sandy clay loam, firm, wet</p> <p>105-120 – <b>Weathered Glacial</b> – Gray medium to coarse grained loamy sand to sandy loam, 5-10% pebbles to small gravels</p> <p>Started auger at 100 cmbs. Terminated on rock Water table at 118 cmbs.</p>	None
387	JG 177	562980 m E 5332380 m N	<p>0-31 – <b>Plow zone</b> – Dark grayish brown loam, 5-10% pebbles to small gravel, 10-20% rootlets below sod cap (30-40% in cap), firm</p> <p>31-42 – <b>Alluvial?</b> – Light gray fine grained sandy loam to loamy sand, &lt;5% pebbles</p> <p>42-68 – <b>Weathered Glacial?</b> – Gray medium to coarse grained sand becoming brown at ~53 cmbs with increasing clay content</p> <p>68-80 – <b>Weathered Glacial</b> – Strong brown sandy clay loam, 20-30% pebbles to gravels with increasing gravel content with depth, very firm, moist</p> <p>80-81 – <b>Weathered Glacial</b> – Possible soil change to gray sandy clay with ~60% gravels, very firm</p> <p>Terminated due to compacted gravels.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
388	JG 176	562940 m E 5332380 m N	0-28 – <b>Plow zone</b> – Dark brown silt loam, 10-20% pebbles to cobbles, 10-20% rootlets in top 15 cm, firm, moist, diffuse boundary 28-40 – <b>Relict Topsoil/Wetland Sediment</b> – Grayish brown silt to silt loam with charcoal specks (relict topsoil), clear boundary 40-65 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light brownish gray fine grained sandy loam, 30-40% oxidation mottling, ~5% pebbles to gravels, clear boundary 65-100 – <b>Weathered Glacial</b> – Gray and brown medium grained sand, <5% pebbles, moist  Terminated in glacial. Water table at base.	None
389	JG 175	562900 m E 5332380 m N	0-30 – <b>Plow zone</b> – Dark grayish brown sandy loam, 5-10% pebbles to small gravels, firm, clear boundary 26-37 – <b>Alluvial</b> – Brown fine grained sand with medium grains, ~1% pebbles to small gravels, firm to very firm, damp 30-68 – <b>Alluvially Reworked Glacial?</b> – Gray fine to medium grained sandy loam to loamy sand, 10-20% pebbles to small gravels, subangular to rounded, firm to very firm, moist 68-101 – <b>Weathered Glacial</b> – Gray medium grained with coarse grained sand, 10-20% pebbles to gravels, subangular to rounded, firm, moist to wet  Terminated in glacial. Water table at base.	None
390	JG 174	562860 m E 5332380 m N	0-30 – <b>Plow zone</b> – Dark brown to dark grayish brown sandy loam, 5-10% rootlets, ~1% pebbles to small gravels, firm, damp, abrupt boundary 30-44 – <b>Alluvial</b> – Brown fine grained sand with medium grains, ~1% pebbles to small gravels, firm to very firm, damp 44-70 – <b>Possible Wetland Deposit</b> – Grayish brown sandy clay loam, no gravels, firm, moist, clear 70-100 – <b>Wetland Weathered Glacial?</b> – Gray to light yellowish brown fine to medium grained sand to loamy sand, firm, moist  Terminated in glacial.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
391	JG 173	562820 m E 5332380 m N	0-30 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark brown sandy loam, 10-20% rootlets in upper 15 cm, no gravels, clumps of light gray fine to medium grained sand to sand with some silt in lower 15 cm, firm, abrupt/irregular boundary 30-55 – <b>Alluvial</b> – Light gray fine to medium grained sand with some silt, no gravels, firm to very firm 55-65 – <b>Alluvial</b> – Strong brown fine grained sandy loam, firm to very firm, clear boundary 65-86 – <b>Alluvial</b> – Brown fine grained loamy sand, <5% pebbles to small gravels, firm, damp to moist, diffuse boundary 86-110 – <b>Alluvial</b> – Brown fine to medium grained sand, <5% pebbles to small gravels, firm, moist 110-127 – <b>Weathered Glacial</b> – Grayish brown to brownish gray medium grained sand, 5-10% pebbles to small gravels, firm, moist  Started auger at 100 cmbs. Terminated on rock. Water table at ~120 cmbs.	None
392	LF 086	562780 m E 5332380 m N	0-33– <b>Plow zone</b> – Dark brown fine grained sandy loam, with 5% subangular to subrounded gravels, friable 33-85 – <b>Weathered Glacial</b> – Gray medium-coarse grained sand with 30% subangular to round gravels, pebbles, and cobbles, loose 85-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 5% subrounded to round gravels and pebbles, loose, wet  Terminated in glacial materials. Water table at 100 cmbs.	None.
393	SL 037	562780 m E 5332340 m N	0-50 – <b>Plow zone</b> – Very dark brown silty loam 50-59 <b>Weathered Glacial</b> – Dark gray sandy loam 59-95 – <b>Weathered Glacial</b> – Dark brown sandy loam	None
394	SL 038	562820 m E 5332340 m N	0-49 – <b>Plow zone</b> – Very dark brown silty loam 49-57 <b>Weathered Glacial</b> – Dark gray sandy loam 57-98 – <b>Weathered Glacial</b> – Dark brown sandy loam	None
395	SL 040	562860 m E 5332340 m N	0-54 – <b>Plow zone</b> – Very dark brown silty loam 54-57 <b>Weathered Glacial</b> – Dark gray sandy loam 57-99 – <b>Weathered Glacial</b> – Dark brown sandy loam	None
396	SL 041	562900 m E 5332340 m N	0-49 – <b>Plow zone</b> – Very dark brown silty loam 49-53 <b>Weathered Glacial</b> – Dark gray sandy loam 53-95 – <b>Weathered Glacial</b> – Dark brown sandy loam	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
397	SL 042	562940 m E 5332340 m N	0-48 – <b>Plow zone</b> – Very dark brown silty loam 48-57 – <b>Alluvial/Wetland Deposit</b> – Dark gray silty sand, compact 57-89 – <b>Weathered Glacial</b> – Dark brown sandy loam	None
398	SL 043	562980 m E 5332340 m N	0-48 – <b>Plow zone</b> – Very dark brown silty loam 48-54 – <b>Alluvial/Wetland Deposit</b> – Dark gray silty loam, compact 54-92 – <b>Weathered Glacial</b> – Dark brown sandy loam	None
399	SL 044	563019 m E 5332343 m N	0-42 – <b>Plow zone</b> – Very dark brown silt loam 42-51 – <b>Alluvial/Wetland Deposit</b> – Dark gray silt loam, compact 51-91 – <b>Weathered Glacial</b> – Dark brown sandy loam, ~10% gravels	None
400	SL 045	563059 m E 5332343 m N	0-48 – <b>Plow zone</b> – Very dark brown silt loam 48-62 – <b>Alluvial/Wetland Deposit</b> – Dark gray silt loam 62-93 – <b>Weathered Glacial</b> – Dark brown sandy loam, ~10% gravels	None
401	SL 046	563100 m E 5332344 m N	0-44 – <b>Plow zone</b> – Very dark brown silt loam 44-96 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~10% gravels	None
402	SL 047 (1)	563136 m E 5332348 m N	0-43 – <b>Plow zone</b> – Very dark brown silt loam 43-52 – <b>Possibly Alluvially Reworked Glacial</b> – Dark gray medium grained sandy loam 52-99 – <b>Weathered Glacial</b> – Dark brown medium grained sandy loam, ~10% gravels	None
403	JG 150	563180 m E 5332340 m N	0-35 – <b>Plow zone</b> – Dark brown silt loam, <5% pebbles 35~53 – <b>Possibly Alluvial</b> – Gray fine grained sand with some silt, <5% pebbles, with gradual transition to ~53~105 – <b>Possibly Alluvially Reworked Glacial</b> – Gray fine to medium grained sand, ~1% pebbles, with gradual transition to ~105-117 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% pebbles  Started auger at 100 cmbs. Terminate on a rock. Water table at 88 cmbs.	None
404	SL 024	563220 m E 5332340 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-51 – <b>Possibly Alluvial</b> – Dark gray fine grained sandy loam 51-92 – <b>Possibly Alluvially Reworked Glacial</b> – Mottled dark gray and yellowish brown medium grained sandy loam	None
405	SL 023	563260 m E 5332340 m N	0-35 – <b>Plow zone</b> – Very dark brown silty loam 35-39 – <b>Alluvial?</b> – Dark gray fine grained sandy loam 39-88 – <b>Alluvial?</b> – Yellowish brown fine grained sandy loam	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
406	SL 022	563300 m E 5332340 m N	0-30 – <b>Plow zone</b> – Very dark brown silty loam 30-92 – <b>Weathered Glacial</b> – Yellowish brown clay loam (~50% clay, ~20% silt, ~20% sand, ~10% gravels) very sticky  Groundwater at 90 cmbs.	None
407	SL 021	563340 m E 5332340 m N	0-38 – <b>Plow zone</b> – Very dark brown silty loam 38-75 – <b>Alluvial?</b> – Dark gray mottled with yellowish brown medium grained sandy loam 75-96 – <b>Alluvial?</b> – Yellowish brown fine grained sandy loam	None
408	JG 146	563300 m E 5332300 m N	0-28 – <b>Plow zone</b> – Dark brown silt loam, ~1% pebbles with chunks of gray to brownish gray silt, 10-20% oxidation, firm, moist, abrupt/irregular boundary 28-34 – <b>Alluvial</b> – Light brownish gray to light yellowish brown fine to medium grained silty sand to sandy silt, ~1% pebbles, 40-50% strong brown oxidation, firm, moist 34-49 – <b>Alluvial</b> – Strong brown fine to medium grained silty sand to sandy silt, 10-20% light brownish gray to light grayish brown 49-60 – <b>Weathered Glacial</b> – Brown to yellowish brown medium to coarse grained sand, somewhat mottled/multi-lithic, firm 60-74 – <b>Weathered Glacial</b> – Strong brown coarse to very coarse grained silty sand, very firm with semi-concretions 74-100 – <b>Weathered Glacial</b> – Dark gray to greenish gray coarse grained sandy silt 100-120 – <b>Weathered Glacial</b> – Very dark gray to black silty very coarse grained sand, to sandy loam with white ‘specks’ (unknown source, likely natural, not shell), smelly 120-150 – <b>Weathered Glacial</b> – Gray coarse grained sand, 10-20% pebbles to medium gravels, saturated and slumpy  Started auger at 86 cmbs. Terminated in glacial. Water table at 86 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
409	JG 147	563260 m E 5332300 m N	<p>0-36 – <b>Plow zone</b> – Dark grayish brown silt loam, ~10% pebbles</p> <p>36-60 – <b>Weathered Glacial</b> – Strong brown coarse to very coarse grained sandy silt with black concretions, 20-30% pebbles to small gravels, very firm, moist</p> <p>60~110 – <b>Weathered Glacial</b> – Strong brown to yellowish brown medium to coarse grained sandy clay to clay with sand, mottled with light yellowish brown, sticky, wet, firm to very firm</p> <p>~110-155 – <b>Weathered Glacial</b> – Brownish gray medium grained sand grading to gray, saturated</p> <p>Started auger at 80 cmbs due to compaction. Terminated at depth of tool, possibly in unweathered glacial.</p> <p>Water table at 90 cmbs.</p>	None
410	JG 148	563220 m E 5332300 m N	<p>0-35 – <b>Plow zone</b> – Dark brown silt loam with small chunks of strong brown coarse to very coarse grained sandy silt with black concretions throughout, firm, moist, clear boundary</p> <p>35-55 – <b>Weathered Glacial</b> – Strong brown coarse to very coarse grained sandy silt with black concretions, 20-30% pebbles to small gravels, very firm, moist</p> <p>55-85 – <b>Weathered Glacial</b> – Strong brown to yellowish brown medium to coarse grained sandy clay to clay with sand, mottled with light yellowish brown, sticky, wet, firm to very firm</p> <p>85~120 – <b>Weathered Glacial</b> – Yellowish brown medium grained sand with some fine grained sand/silt, ~50% oxidation, sticky, firm, moist</p> <p>~120-140 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand</p> <p>Started auger at 90 cmbs due to narrowing caused by compaction/sticky soils.</p> <p>Water table at 100 cmbs.</p>	None
411	JG 149	563180 m E 5332300 m N	<p>0-35 – <b>Plow zone</b> – Dark brown silt loam – loam, ~1% pebbles, some mottling in bottom 10 cmbs, firm, moist, irregular/clear boundary</p> <p>35-70 <b>Weathered Alluvial/Reworked Glacial?</b> Light brownish gray to light yellowish brown fine grained sandy silt to silty sand, 40-50% strong brown oxidation, few pebbles, firm, moist, diffuse boundary</p> <p>70-100 – <b>Weathered Glacial</b> – Gray medium with coarse grained sand, ~1% pebbles to small gravels, firm, wet to saturated</p> <p>Water table at 97 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
412	JG 182	563140 m E 5332300 m N	0-26 – <b>Plow zone with Disturbed Subsoil</b> – Dark grayish brown loam to silty loam with chunks of light gray fine grained loamy sand, firm 26-55 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray and light brown fine grained sand to loamy sand, 10-20% pebbles to small gravels, firm, moist 55-75 – <b>Weathered Glacial</b> – Brown and light gray medium grained loamy sand, 30-40% pebbles to small gravels, firm 75-100 – <b>Weathered Glacial</b> – Gray medium grained sand, 10-20% pebbles to small gravels, moist  Terminated in glacial.	None
413	JG 183	563100 m E 5332300 m N	0-30 – <b>Plow zone</b> – Dark brown loam, with chunks of light gray to light brownish gray fine grained loamy sand in lower 15 cm, firm, moist, clear boundary 30-45 – Light gray to light brownish gray fine grained loamy sand, 5-10% pebbles to small gravels, 10-20% oxidation, firm, diffuse 45-85 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to small gravels, moist  Terminated in glacial.	None
414	JG 184	563060 m E 5332300 m N	0-27 – <b>Plow zone</b> – Dark grayish brown loam, ~5% pebbles, firm, damp, clear boundary 27-55 – Strong brown mottled with yellowish brown medium to coarse grained sand and sandy loam lenses, 10-20% pebbles 55-80 – Gray and strong brown medium to coarse grained loamy sand to sandy loam, 5-10% pebbles 80-100 – <b>Weathered Glacial</b> – Gray and brownish gray medium to coarse grained sand, 5-10% pebbles to small gravels, wet  Terminated in (weathered) glacial.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
415	JG 185	563020 m E 5332300 m N	<p>0-29 – <b>Plow zone</b> – Dark grayish brown silt loam, &lt;5% pebbles, moist, firm</p> <p>29-40 – <b>Weathered Glacial</b> – Light brownish gray and strong brown fine to medium grained sandy clay loam, ~10% pebbles, firm, moist</p> <p>40-80 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sandy clay loam, ~10% pebbles to small gravels, sticky, firm, wet</p> <p>80-100 – <b>Weathered Glacial</b> – Light brownish gray to light yellowish brown medium to coarse grained loam, 10-20% pebbles, wet</p> <p>100-105 – <b>Weathered Glacial</b> – Gray coarse grained sandy loam to loamy sand, 10-20% pebbles to small gravels, firm, wet</p> <p>Started auger at 91 cmbs due to narrowing caused by sticky sediments. Terminated on rock.</p> <p>Water table at 100 cmbs.</p>	None
416	JG 186	562980 m E 5332300 m N	<p>0-33 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, with chunks of light gray to gray loam to fine grained sandy silt loam in lower 5 cm, firm, damp, abrupt boundary</p> <p>33-43 – <b>Alluvial</b> – Light gray to gray loam to fine grained sandy silt loam, no gravels, firm to very firm, diffuse boundary</p> <p>43-74 – <b>Wetland Weathered Glacial?</b> – Gray and strong brown fine grained sandy clay loam, 5-10% pebbles to small gravels, sticky, firm, moist</p> <p>74-100 – <b>Weathered Glacial</b> – Gray to strong brown medium to coarse grained sand to loamy sand, no gravels</p> <p>Water table at ~95 cmbs.</p>	None
417	JG 187	562940 m E 5332299 m N	<p>0-27 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm, damp, clear/irregular boundary</p> <p>27-70 – <b>Possibly Alluvial</b> – Light gray and light brownish gray fine grained sandy loam to loamy sand, no gravels, 10-20% oxidation increasing to 30-40% from 45 to 60 cmbs, firm, damp, gradual boundary</p> <p>70-100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray to light gray fine to medium grained sand with silt to sand, no gravels, firm, moist to wet</p> <p>Terminated in weathered glacial.</p> <p>Water table at base.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
418	JG 188	562900 m E 5332298 m N	0-29 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm, damp, clear/irregular boundary 29-70 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray and light brownish gray fine to medium grained sandy loam to loamy sand, <5% pebbles to small gravels, 10-20% oxidation increasing to 30-40% from 45 to 60 cmbs, firm, damp, gradual boundary 70-100 – <b>Weathered Glacial</b> – Gray to light gray medium grained sand with silt to sand, 5-10% pebbles becoming gravels at base, firm, moist to wet  Water table at base.	None
419	JG 189	562860 m E 5332297 m N	0-25 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm, damp, clear/irregular boundary 25-34 – <b>Alluvial</b> – Gray very fine grained sandy loam, no gravels, very firm 34-54 – <b>Possibly Alluvial/Reworked Glacial</b> – Dark gray loamy fine grained sand, 5-10% pebbles, firm to very firm 50-100 – <b>Weathered Glacial</b> – Brownish gray to grayish brown medium to coarse grained sand, 10-20% pebbles to small gravels  Terminated in (weathered) glacial). Water table at base.	None
420	JG 190	562820 m E 5332296 m N	0-29 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm, damp, clear/irregular boundary 29-40 – <b>Alluvial</b> – Gray very fine grained sandy loam, ~1% rootlets, no gravels, very firm 40-55 – <b>Weathered Glacial</b> – Yellowish brown fine grained sand to loamy sand, ~5% rootlets, ~5% pebbles to large gravels, firm to very firm, damp 55-85 – <b>Weathered Glacial</b> – Brown to grayish brown medium to coarse grained sand, 10-20% pebbles to large gravels, firm, damp to moist 85-100 – <b>Weathered Glacial</b> – Brownish gray medium to coarse grained sand, 10-20% pebbles to large gravels, firm, damp to moist	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
421	JG 191	562780 m E 5332295 m N	0-30 – <b>Plow zone</b> – Dark brown loam to sandy loam, <5% pebbles to small gravels, subangular to rounded, firm, damp 30-46 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand to loamy sand, <5% pebbles to gravels, firm to very firm, damp 46-71 – <b>Alluvially Reworked Glacial</b> – Brown fine grained sand to loamy sand, 5-10% pebbles to gravels, firm, damp 71-105 – <b>Weathered Glacial</b> – Brown fine grained sand to loamy sand, ~5% pebbles to small gravels, firm to very firm, damp 105-135 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to gravels, subangular to rounded  Started auger at 100 cmbs. Terminated in glacial. Water tale at ~125 cmbs.	None
422	BS 028	562740 m E 5332300 m N	0-43 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 43-70 – <b>Alluvial</b> – Light brownish-gray fine grained silty sand, few gravels 70-100 – <b>Weathered Glacial</b> – Light grayish brown medium grained sand, few gravels	None
423	BS 029	562700 m E 5332300 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 35-50 – <b>Alluvial</b> – Light brownish-gray fine grained silty sand, few gravels 50-100 – <b>Weathered Glacial</b> – Orange-ish brown clayey medium grained sand, few gravels	None
424	BS 030	562660 m E 5332300 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 30-78 – <b>Alluvial</b> – Light brownish gray fine grained silty sand, few gravels 78-104 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels	None
425	BS 031	562620 m E 5332300 m E	0-26 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 26-50 – <b>Alluvial</b> – Light brownish gray fine grained silty sand, few gravels 50-90 – <b>Weathered Glacial?</b> – Dark brownish-orange sandy loam, few gravels 90-105 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels  Water table at 90 cmbs.	None
426	BS 032	562580 m E 5332300 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 30-40 – <b>Alluvial</b> – Light brownish gray fine grained silty sand, few gravels 40-80 – <b>Weathered Glacial?</b> – Dark brownish-orange sandy loam, few gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
427	JG 252	562540 m E 5332300 m N	0-30 – <b>Plow zone with Import</b> – Dark brown sandy loam to loam, ~55 pebbles to gravels, subangular to rounded, moist, firm 30-40 – <b>Relict Topsoil/Wetland Sediment</b> – Light gray to gray silt loam, no gravels, firm to very firm 40-55 – <b>Wetland Weathered Glacial</b> – Yellowish brown fine to medium grained loamy sand, ~10% pebbles to gravels, some oxidation, slightly sticky, firm 55-80 – <b>Weathered Glacial</b> – Gray to brownish gray medium to coarse grained loamy sand to sandy loamy, ~5% pebbles to gravels, firm 80-95 – <b>Weathered Glacial</b> – Strong brown medium grained sandy clay loam to sandy loam with clay, ~10% pebbles to gravels, slightly sticky, firm to very firm  Terminated due to compaction, in glacial sediments.	None
428	JG 253	562500 m E 5332300 m N	0-32 – <b>Plow zone</b> – Dark brown sandy loam to loam, ~55 pebbles to gravels, subangular to rounded, moist, firm 32-73 – <b>Weathered Glacial</b> – Gray and light yellowish brown medium to coarse grained sand, 30-40% pebbles to gravels, firm 73-100 – <b>Weathered Glacial</b> – Light yellowish brown to light brown medium to coarse grained sandy loam with chunks of coarse grained sandy clay loam to sandy loam with clay, 10-20% pebbles to gravels, wet, firm  Water table at 97 cmbs.	None
429	JG 254	562460 m E 5332300 m N	0-36 – <b>Plow zone</b> – Dark brown sandy loam to loam, ~55 pebbles to gravels, subangular to rounded, moist, firm 36-57 – <b>Possibly Alluvial</b> – Light gray fine to medium grained loamy sand to sandy loam, 5-10% gravels, firm 57-80 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light yellowish brown to light gray fine to medium grained sandy clay loam 5-10% pebbles to gravels, 50-60% oxidation, wet, firm 80-100 – <b>Weathered Glacial</b> – Gray fine to medium grained sandy clay loam, wet, firm to very firm  Started auger at 75 cmbs due to high water table. Perched water table at 68 cmbs.	None
430	BS 035	562420 m E 5332300 m N	0-32 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 32-76 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish-orange loamy clay, few gravels 76-100 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
431	SL 104	562380 m E 5332300 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-61 – <b>Possibly Alluvial</b> – Dark gray mottled with yellowish brown sandy loam 61-99 – <b>Possibly Alluvial</b> – Dark gray silt loam  Groundwater at 95 cmbs.	None
432	SL 103	562380 m E 5332260 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-48 – <b>Weathered Alluvial/Reworked Glacial?</b> Dark gray mottled with yellowish brown sandy loam 48-98 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravel, ~2% pebbles	None
433	SL 102	562420 m E 5332260 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-64 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark gray mottled with yellowish brown sandy loam 64-95 – <b>Weathered Glacial</b> – Yellowish brown silt loam, ~10% gravels, ~10% pebbles, sticky	None
434	BS 034	562460 m E 5332260 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 36-96 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish-gray clayey loam, few gravels 96-101 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels	None
435	SL 101	562500 m E 5332260 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-47 – <b>Possibly Alluvial</b> – Dark brown fine grained sandy loam 47-101 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam	None
436	BS 033	562540 m E 5332260 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 35-50 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light brownish gray fine grained silty sand, few gravels 50-102 – <b>Weathered Glacial</b> – Dark brownish-orange clayey loam, few gravels  A potential thermal feature was observed in the northwest wall. It is described as a semi-cylindrical depression filled with charcoal stained dark brown loam and edged with charcoal extending from ~35 cmbs to ~75 cmbs and approximately 20 cm wide.	0-10 cmbs – Small mammal/ bird bone
436 E	SL 155 (2)	562545 m E 5332260 m N	0-38 – <b>Plow zone</b> – Very dark brown silt loam 38-64 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark gray mottled with yellowish brown sandy loam 64-89 – <b>Weathered Glacial</b> – Yellowish brown clay, saturated with water  Unit is eastern delineation of 436/ BS 033. Water table at 81 cmbs.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
436 N	SL 156 (2)	562540 m E 5332265 m N	0-38 – <b>Plow zone</b> – Very dark brown silt loam 38-48 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark gray mottled with yellowish brown sandy loam 48-75 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray sandy loam, 2% gravel  Unit is northern delineation of 436/ BS 033. Water table at 81 cmbs.	None
436 S	BS 122	562540 m E 5332255 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 36-48 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light brown medium sand, few gravels 48-100 – <b>Weathered Glacial</b> – Orangey brown clay loam, few gravels  Southern delineation of 436/ BS 033. Started auger at 57 cmbs due to concretion.	None
436 W	JG 324	562535 m E 5332260 m N	0-31 – <b>Plow zone</b> – Dark brown loam, few gravels, moist, firm 31-55 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sand, mottled with light gray, 30-40% pebbles to gravels, some concretions, very firm 55-73 – <b>Weathered Glacial</b> – Strong brown fine to medium grained sand, few gravels, very firm 73-100 – <b>Weathered Glacial</b> – Gray to blueish gray fine to coarse grained sand with striations of greenish gray fine to medium grained clayey sandy loam and strong brown to brown medium grained sand  Unit is the Western delineation of 436/ BS 033. Water table at base and rising.	None
437	JG 251	562580 m E 5332260 m N	0-31 – <b>Plow zone</b> – Dark brown sandy loam, <5% pebbles, firm 31-56 – <b>Alluvial</b> – Light gray to light brownish gray fine to medium grained loamy sand to sandy loam, few pebbles, firm 56-76 – <b>Possible Wetland Deposit</b> – Dark gray silty clay loam, no gravels, wet 76-82 – <b>Weathered Glacial</b> – Gray and strong brown medium to coarse grained sandy loam to loamy sand, 10-20% gravels, crunchy, wet, very firm  Terminated due to sloppy/wet sediments and compaction. Water table at ~70 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
438	JG 250	562620 m E 5332260 m N	<p>0-31 – <b>Plow zone</b> – Dark brown sandy loam to loam, few gravels, moist, firm</p> <p>31-51 – <b>Alluvial</b> – Light gray fine grained loamy sand to sandy loam, no gravels, oxidation increasing from 10% to 50% with depth, firm</p> <p>51-85 – <b>Weathered Glacial</b> – Yellowish brown fine to medium grained sandy clay loam, 5-10% pebbles to gravels, subangular to rounded, sticky, ~50% oxidation, wet, firm</p> <p>85-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to sandy loam, 20-30% gravels, ~50% oxidation, slightly sticky, wet, very firm</p> <p>Water table at base.</p>	None
439	JG 249	562660 m E 5332260 m N	<p>0-38 – <b>Plow zone</b> – Dark brown sandy loam to loam, ~5% pebbles to gravels, subangular to rounded, firm</p> <p>38-44 – <b>Weathered Glacial</b> – Light gray and strong brown coarse grained sand to sandy loam, ~50% gravels and concreted sand, very firm</p> <p>44-80 – <b>Weathered Glacial</b> – Yellowish brown fine to medium grained sandy clay loam, 30-40% gravels to cobbles, subangular to rounded, sticky, ~50% oxidation, wet, firm to very firm</p> <p>80-94 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to sandy loam, 20-30% gravels, ~50% oxidation, slightly sticky, wet, very firm</p> <p>Terminated due to compaction and gravels.</p> <p>Water table at ~90 cmbs.</p>	None
440	JG 248	562700 m E 5332260 m N	<p>0-35 – <b>Plow zone</b> – Dark brown sandy loam to loam, few gravels, moist, firm</p> <p>35-55 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray fine grained loamy sand to sandy loam, no gravels, oxidation increasing from 10% to 50% with depth, firm</p> <p>55-84 – <b>Weathered glacial</b> - Yellowish brown fine to medium grained sandy clay loam, 5-10% pebbles to gravels, subangular to rounded, sticky, ~50% oxidation, wet, firm</p> <p>84-100 – <b>Weathered glacial</b> - Gray medium to coarse grained loamy sand, ~1% pebbles to gravels, 30-40% oxidation, wet</p> <p>Water table at base.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
441	JG 247	562740 m E 5332260 m N	0-37 – <b>Plow zone</b> – Dark grayish brown sandy loam, 5-10% gravels, angular to rounded, wet, firm 37-80 – <b>Weathered Glacial</b> – Light gray to light yellowish brown fine to medium grained loamy sand, ~5% gravels, subangular to rounded, moist, firm 80-100 – <b>Weathered Glacial</b> – Gray to dark gray fine to medium grained sand, few pebbles, wet, firm  Water table at 97 cmbs.	None
442	JG 192	462780 m E 5332260 m N	0-38 – <b>Plow zone</b> – Dark brown loam to sandy loam, <5% pebbles to gravels, firm, damp 38-55 – <b>Alluvial</b> – Brown to dark yellowish brown loam, no gravels, firm to very firm 38-62 – <b>Alluvial</b> – Light gray loamy sand to sandy loam, <5% pebbles to gravels, firm to very firm 62-105 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown fine grained sand to loamy sand, <5% pebbles, firm 105-135 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, <5% pebbles to gravels, firm  Started auger at 100 cmbs. Terminated in glacial. Water table at ~125 cmbs.	None
443	JG 193	562820 m E 5332260 m N	0-28 – <b>Plow zone</b> – Dark grayish brown sandy loam, few (~1%) pebbles, 5-10% rootlets below the 5 cm root layer/sod cap, firm, damp, clear boundary 28-43 – <b>Alluvial</b> – Brown fine grained sand, few pebbles, ~5% rootlets, firm, diffuse boundary 43-66 – <b>Alluvial</b> – Light gray fine to medium grained sand to loamy sand, few pebbles, firm 66-90 – <b>Alluvial</b> – Gray fine to medium grained sand to loamy sand, few pebbles, lenses of light yellowish brown medium grained loamy sand 90-98 – <b>Alluvial</b> – Dark brown sandy loam 98-115 – <b>Alluvial</b> – Gray fine to medium grained sandy loam, no gravels, firm, moist 115-130 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray to grayish brown medium grained loamy sand to sand, no gravels, moist 130-150 – <b>Weathered Glacial</b> – Gray fine grained sand to loamy sand  Started auger at 100 cmbs. Terminated at depth of tool. Water table at ~145 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
444	JG 194	562860 m E 5332260 m N	<p>0-29 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm, damp, clear/irregular boundary</p> <p>29-65 – <b>Possibly Alluvial</b> – Light gray and light brownish gray fine grained sandy loam to loamy sand, no gravels, 10-20% oxidation increasing to 30-40% from 45 to 60 cmbs, firm, damp, gradual boundary</p> <p>65-90 – <b>Weathered Alluvial/Reworked Glacial?</b> Light gray to light yellowish brown coarse grained sandy loam, sticky, 5-10% pebbles to gravels</p> <p>90-100 – <b>Weathered Glacial</b> – Gray coarse grained sand to loamy sand, 10-20% pebbles to gravels</p> <p>Terminated in glacial. Water table at 94 cmbs.</p>	None
445	JG 195	562900 m E 5332260 m N	<p>0-33 – <b>Plow zone with Disturbed Alluvial</b> – Dark brown sandy loam, no gravels, with some small chunks of light gray fine grained sand, firm, moist</p> <p>35-46 – <b>Alluvial</b> – Brown fine grained sand to loamy sand, few gravels, firm to very firm, dry to damp</p> <p>46-65 – <b>Possibly Alluvial</b> – Light gray fine to very fine grained loamy sand to sand, no gravels, very firm, dry</p> <p>65-105 – <b>Weathered Alluvial/Reworked Glacial?</b> Gray to brownish gray medium grained sand, no gravels, slightly firm, damp</p>	None
446	JG 196	562940 m E 5332260 m N	<p>0-33 – <b>Plow zone</b> – Dark brown loam, no gravels, firm, damp to moist, abrupt/irregular boundary</p> <p>33-57 – <b>Weathered Glacial</b> – Light gray fine grained sandy loam to loamy sand, ~5% pebbles, subangular to rounded, firm, damp to moist</p> <p>57-70 – <b>Weathered Glacial</b> – Light brownish gray to light yellowish brown fine grained sandy loam to loamy sand, ~5% pebbles, subangular to rounded, firm, moist</p> <p>70-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, 10-20% pebbles to gravels, subangular to rounded, moist to wet</p> <p>Terminated in glacial.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
447	JG 197	562980 m E 5332260 m N	<p>0-32 – <b>Plow zone</b> – Dark brown loam, no gravels, firm, damp to moist, abrupt/irregular boundary</p> <p>32-58 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sandy loam, few pebbles and gravels, ~10% oxidation increasing to 50-60% with depth, firm to very firm, moist</p> <p>58-64 – <b>Weathered Alluvial/Reworked Glacial?</b> – Strong brown and yellowish brown sandy clay loam, few pebbles and gravels, firm to very firm, moist</p> <p>64-98 – <b>Weathered Glacial</b> – Brown and brownish gray medium to coarse grained sand to loamy sand, 10-20% pebbles to gravels, subangular to rounded, moist to wet</p> <p>Terminated in glacial.</p>	None
448	JG 198	563020 m E 5332260 m N	<p>0-29 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark grayish brown loam to silt loam, no gravels, some chunks of light gray to light brownish gray fine grained sandy loam in lower 10 cm, firm</p> <p>29-39 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sandy loam, few pebbles and gravels, ~10% oxidation increasing to 50-60% with depth, firm to very firm, moist</p> <p>39-50 – <b>Weathered Alluvial/Reworked Glacial?</b> – Strong brown and yellowish brown sandy clay loam, few pebbles and gravels, firm to very firm, moist</p> <p>50-68 – <b>Weathered Glacial</b> – Strong brown coarse grained sandy clay loam, ~20% pebbles to small gravels, sticky, firm, moist</p> <p>68-110 – <b>Weathered Glacial</b> – Yellowish brown and strong brown medium to coarse grained sandy clay loam to loamy clay sand, ~20% pebbles to small gravels, firm</p> <p>110-130 – <b>Weathered Glacial</b> – Gray coarse grained sandy clay loam with decreasing clay content with depth</p> <p>130-150 – <b>Weathered Glacial</b> – Gray coarse grained sand, ~20% pebbles to small gravels, very smelly, wet</p> <p>Started auger at 85 cmbs due to narrowing caused by sticky sediments.</p> <p>Water table at 85 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
449	JG 199	563060 m E 5332260 m N	0-31 – <b>Plow zone with Disturbed Alluvial Materials</b> – Dark grayish brown loam to silt loam, no gravels, some chunks of light gray fine grained sandy loam in lower 10 cm, firm 31-41 – <b>Alluvial</b> – Light gray fine grained sandy loam, ~5% pebbles, ~10% oxidation, firm, damp-moist 41-62 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light yellowish brown fine grained clayey sand to sandy loam, 5-10% pebbles to gravels, angular to rounded, 50% oxidation increasing to 90% oxidation with depth, firm 62-100 – <b>Weathered Glacial</b> – Gray coarse grained sand, ~10% pebbles to small gravels, moist  Terminate in glacial.	None
450	JG 200	563100 m E 5332260 m N	0-33 – <b>Plow zone with Disturbed Relict Topsoil</b> – Dark brownish gray loam, no gravels, with chunks of gray silt loam in the lower 15 cm, firm 33-41 – <b>Relict Topsoil/Wetland Sediment</b> – Gray silt loam with charcoal ‘specks’, no gravels, firm to very firm (relict topsoil) 41-60 – <b>Possibly Alluvial</b> – Light gray to light yellowish brown fine grained sandy loam, no gravels, firm to very firm 60-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, few pebbles, subangular to rounded, damp to moist  Terminated in glacial.	None
451	JG 201	563140 m E 5332260 m N	0-27 – <b>Plow zone with Disturbed Relict Topsoil</b> – Dark brownish gray loam, no gravels, 10-20% rootlets, with chunks of gray silt loam in the lower 15 cm, firm 27-35 – <b>Relict Topsoil/Wetland Sediment</b> – Gray silt loam with charcoal ‘specks’, no gravels, firm to very firm 35-59 – <b>Possibly Alluvial</b> – Light gray to light yellowish brown fine grained sandy loam, no gravels, firm to very firm 59-100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Grayish brown to brownish gray fine to medium grained sand to loamy sand, <5% pebbles, some rootlets in the top 15 cm, slightly firm to firm	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
452	JG 151	563180 m E 5332260 m N	0-32 – <b>Plow zone</b> – Dark grayish brown silt loam, no gravels, firm, moist, clear boundary 32-50 – <b>Alluvial</b> – Light brownish gray fine grained sandy silt, ~10% oxidation, no gravels, firm to very firm, diffuse boundary 50-~80 cmbs – <b>Weathered Glacial?</b> – Gray fine to medium grained sand, 5-10% pebbles, subangular to rounded, firm to slightly firm, moist ~80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to cobbles, subangular to rounded, firm-slightly firm, moist to wet  Water table at 91 cmbs.	None
453	JG 152	563220 m E 5332260 m N	0-31 – <b>Plow zone</b> – Dark brown loam, 5-10% pebbles to small gravels, subangular to rounded, firm, moist, clear boundary 31-55 – <b>Possibly Alluvial</b> – Light gray fine to medium grained sand, 5-10% pebbles to small gravels, subangular to rounded, firm, diffuse boundary 55-80 – <b>Possibly Alluvial</b> – Yellowish brown medium to coarse grained sand with silts, sticky/clumpy, firm, moist 80 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray and strong brown coarse grained sandy silt, 10-20% pebbles to small gravels, sticky/clumpy, firm, moist to wet ~110-120 – <b>Weathered Glacial</b> – Transitioning to gray coarse to very coarse grained sand with some strong brown staining changing to gray, 10-20% pebbles to small gravels, wet  Started auger at 100 cmbs. Terminated on rock.	None
454	JG 153	563260 m E 5332260 m N	0-31 – <b>Plow zone</b> – Dark brown loam, 5-10% pebbles to small gravels, subangular to rounded, firm, moist, clear boundary 31-45 – <b>Possibly Alluvial</b> – Light gray fine to medium grained sand, 5-10% pebbles to small gravels, subangular to rounded, firm, diffuse boundary 45-64 – <b>Possibly Alluvial</b> – Yellowish brown medium to coarse grained sand with silts, sticky/clumpy, firm, moist 64-87 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray and strong brown coarse grained sandy silt, 10-20% pebbles to small gravels, sticky/clumpy, firm, moist to wet  Started auger at 76 cmbs due to narrowing caused by sticky soils. Terminated on rocks.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
455	JG 154	563300 m E 5332260 m N	<p>0-30 – <b>Plow zone</b> – Grayish brown loam</p> <p>30-38 – <b>Wetland Deposit</b> – Strong brown clayey silt, &lt;5% pebbles, sticky, firm, moist to wet</p> <p>38-59 – <b>Possible Wetland Deposit</b> – Light yellowish brown fine grained sandy clay to clay with sand, 30-40% oxidation, &lt;5% pebbles, sticky, moist to wet</p> <p>59-77 – <b>Weathered Glacial</b> – Light yellowish brown to light brownish gray fine grained sand with some silt, firm to very firm, wet</p> <p>77~120 – <b>Weathered Glacial</b> – Gray and brown medium to coarse grained sand, firm</p> <p>~120-140 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, wet</p> <p>Started auger at 72 cmbs due to narrowing caused by sticky soils.</p> <p>Water table at 105 cmbs.</p>	None
456	JG 155	563260 m E 5332220 m N	<p>0-29 – <b>Plow zone</b> – Grayish brown loam to silt loam, ~5% pebbles, with chunks of light gray to light brownish gray fine grained sand, 30-40% oxidation, throughout, firm</p> <p>29-57 – <b>Alluvial</b> – Light gray to light brownish gray fine grained sand with lenses of sand with silt to silty sand, firm, throughout, 30-40% oxidation, chunks on the north edge at 45-53 cmbs of strong brown stained fine grained silty sand with some black edges, very firm</p> <p>57~113 – <b>Weathered Glacial</b> – Gray and brown medium to coarse grained sand, 5-10% pebbles, firm</p> <p>~113~117 – <b>Weathered Glacial</b> – Black medium to coarse grained sandy clay, sticky, smelly, wet</p> <p>~117-150 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, smelly, wet</p> <p>Started auger at 90 cmbs due to narrowing caused by compaction. Terminated on rocks at 150.</p> <p>Water table at ~110 cmbs.</p>	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
457	JG 159	563220 m E 5332220 m N	<p>0-30 – <b>Plow zone</b> – Dark brown to grayish brown silt loam with chunks of brownish gray silt to loamy silt, slight oxidation (relict topsoil), 5-10% pebbles, firm, moist, diffuse boundary</p> <p>30-38 – <b>Possible Wetland Deposit</b> – Brownish gray silt to loamy silt, slight oxidation, firm to very firm</p> <p>38-60 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light yellowish brown to light brownish gray sandy loam to loamy sand, 20-30% oxidation, sticky, moist</p> <p>60-80 – <b>Weathered Glacial</b> – Gray fine to medium grained sand</p> <p>80-95 – <b>Weathered Glacial</b> – Gray and brown medium to coarse grained sand, ~10% pebbles to small gravels, firm</p> <p>95-113 – <b>Unweathered Glacial</b> – Gray and brown coarse grained loamy sand, 20-30% pebbles to small gravels</p> <p>Started auger at 100 cmbs. Terminated on rock. Water table at 100 cmbs.</p>	None
458	JG 160	563180 m E 5332220 m N	<p>0-32 – <b>Plow zone</b> – Grayish brown loam, &lt;5% pebbles, firm, abrupt</p> <p>32-60 – <b>Alluvial</b> – Light gray fine to medium grained sand, &lt;5% pebbles, firm to slightly firm, moist</p> <p>50-60 – <b>Possible Wetland Deposit</b> - Strong brown, dark brown, and brownish gray silt to loamy silt, firm, moist</p> <p>60-80 – <b>Weathered Glacial?</b> – Gray to brownish gray fine to medium grained sand</p> <p>80-115 – <b>Weathered Glacial</b> – Gray and brown medium to coarse grained sand, firm</p> <p>115-130 – <b>Unweathered Glacial</b> – Gray coarse grained sand, 10% pebbles to small gravels</p> <p>Started auger at 100 cmbs. Terminated due to suction. Water table at 90 cmbs.</p>	None
459	LF 096	563140 m E 5332220 m N	<p>0-30 – <b>Plow zone</b> – Dark brown fine grained sandy loam with &lt;1% subangular to subrounded gravels and pebbles, friable</p> <p>30-59 – <b>Weathered Glacial?</b> – Gray fine to medium-coarse grained loamy sand with &lt;1% subangular to subrounded gravels, clumpy</p> <p>59-110 – <b>Weathered Glacial</b> – Gray coarse grained sand with 10% subrounded to round gravels and pebbles, loose, wet</p> <p>Terminated in glacial materials. Water table at 100 cmbs.</p>	None.

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
460	LF 095	563100 m E 5332220 m N	0-29– <b>Plow zone</b> – Dark brown fine grained sandy loam with <1% subangular to subrounded gravels and pebbles, friable 29-69 – <b>Weathered Glacial?</b> – Gray fine to medium-coarse grained loamy sand with inclusions of oxidized red-brown and yellow-orange sediments and 5-10% subangular to round gravels and pebbles, clumpy 69-100– <b>Weathered Glacial</b> – Gray coarse grained sand with 30% subrounded to round gravels and pebbles, wet  Terminated in glacial materials.	None.
461	LF 094	563060 m E 5332220 m N	0-33 – <b>Plow zone</b> – Dark brown fine grained sandy loam with 5% subangular to subrounded gravels and pebbles, friable 33-74 – <b>Weathered Glacial?</b> – Gray fine to medium-coarse grained loamy sand with inclusions of oxidized red-brown sediments and 5-10% subangular to round gravels and pebbles, clumpy, sticky 74-100 – <b>Weathered Glacial</b> – Gray-brown coarse grained sand with 15-20% subrounded to round gravels, pebbles, and cobbles, wet  Terminated in glacial materials.	None.
462	LF 093	563020 m E 5332220 m N	0-30 – <b>Plow zone</b> – Dark brown fine grained sandy loam with a few inclusions of fine, clumpy, loamy sand, no gravels, friable 30-41 – <b>Weathered Glacial?</b> – Gray fine to medium-coarse grained loamy, clayey sand with scattered inclusions of oxidized red-brown sediments and <1% subangular to round gravels and pebbles, clumpy, sticky 41-78 – <b>Weathered Glacial</b> – Red- gray medium-coarse grained loamy clayey sand with 5% subangular to round gravels and pebbles, clumpy 78-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with <5% subrounded to round gravels, pebbles, and cobbles, wet  Terminated in glacial materials.	None
463	LF 092	562980 m E 5332220 m N	0-32– <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable 32-95 – <b>Weathered Glacial?</b> – Gray fine to medium-coarse grained loamy clayey sand with scattered inclusions of oxidized red-brown sediments, clumpy, sticky, and <1% subangular to round gravels and pebbles 95-115– <b>Weathered Glacial</b> – Gray-brown coarse grained sand with <5% subrounded to round gravels, pebbles, and cobbles, wet  Terminated in glacial materials.	None.

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
464	LF 091	562940 m E 5332220 m N	0-26– <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable 26-41– <b>Possibly Alluvial</b> – Gray fine to medium coarse grained loamy sand, no gravels, clumpy 41-95 – <b>Weathered Glacial?</b> – Gray fine to medium-coarse grained loamy, clayey sand with scattered inclusions of oxidized red-brown sediments and 1% subangular to round gravels and pebbles, clumpy, sticky 60-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with <5% subrounded to round gravels, pebbles, and cobbles, wet  Terminated in glacial materials.	None
465	LF 090	562900 m E 5332220 m N	0-28– <b>Plow zone</b> – Dark brown fine grained sandy loam, with 1% subangular to subrounded gravels, pebbles, and a few cobbles, friable 28-60– <b>Possibly Alluvial</b> – Gray fine to medium coarse grained loamy sand with <5% subangular to subrounded gravels, clumpy 60-100– <b>Weathered Glacial</b> – Gray-brown coarse grained sand with 20% subrounded to round gravels, pebbles, and cobbles, loose, wet  Terminated in glacial materials.	None.
466	LF 089	562860 m E 5332220 m N	0-28– <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable 28-41– <b>Possibly Alluvial</b> – Gray fine to medium grained coarse loamy sand, no gravels, clumpy 41-85 – <b>Weathered Glacial?</b> – Gray medium-coarse grained loamy, clayey sand with scattered inclusions of oxidized red-brown sediments and <1% subangular to round gravels and pebbles, clumpy, sticky 85-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with 10% subangular to subrounded gravels and pebbles, loose, wet  Terminated in glacial materials.	None.
467	LF 088	562820 m E 5332220 m N	0-30 – <b>Plow zone</b> – Dark brown fine sandy loam, no gravels, friable 30-90 – <b>Weathered Glacial?</b> – Gray medium-coarse loamy, clayey sand with scattered inclusions of oxidized red-brown sediments and 5% subangular to round gravels and pebbles, clumpy 90-110 – <b>Weathered Glacial</b> – Gray-brown coarse sand with 5% subrounded to round gravels and pebbles, loose, wet  Terminated in glacial materials. Water table at 110 cmbs.	None.

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
468	LF 087	562780 m E 5332220 m N	0-29 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable 29-65 – <b>Weathered Glacial</b> – Gray medium-coarse grained loamy, clayey sand with 5% subangular to round gravels and pebbles, clumpy 65-100 – <b>Weathered Glacial</b> – Gray-brown, loose, coarse, wet sand with 15% subrounded to round gravels, pebbles, and cobbles  Terminated in glacial materials. Water table at 100 cmbs.	None.
469	SL 114	562740 m E 5332220 m N	0-35 – <b>Plow zone</b> – Very dark brown silt loam 35-101 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, ~5% gravels  Groundwater at 95 cmbs.	None
470	SL 113	562700 m E 5332220 m N	0-49 – <b>Plow zone</b> – Very dark brown silt loam 49-93 – <b>Weathered Glacial</b> – Very dark gray sandy loam, ~15% gravels, ~1% pebbles  Groundwater at 85 cmbs.	None
471	SL 112	562660 m E 5332220 m N	0-31 – <b>Plow zone</b> – Very dark brown silt loam 31-74 – <b>Possibly Alluvial</b> – Mottled dark gray and yellowish brown sandy loam 74-99 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark brown silty loam, ~10% gravels  Groundwater at 95 cmbs.	None
472	SL 111	562620 m E 5332220 m N	0-35 – <b>Plow zone</b> – Very dark brown silt loam 35-47 – <b>Weathered Alluvial/Reworked Glacial?</b> – Mottled dark gray and yellowish brown sandy loam 47-98 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels  Groundwater at 89 cmbs.	None
473	SL 110	562580 m E 5332220 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-95 – <b>Weathered Glacial</b> – Dark yellowish brown silt loam, ~5% gravels, ~10% pebbles  Groundwater at 75 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
474	SL 109	562540 m E 5332220 m N	0-37 – <b>Plow zone</b> – Very dark brown silt loam 37-53 – <b>Weathered Glacial</b> – Dark brown sandy loam, ~10% gravels 53-85 – <b>Weathered Glacial</b> – Dark gray sandy loam 85-93 – <b>Weathered Glacial</b> – Blue sandy loam  Groundwater at 84 cmbs.	None
475	SL 108	562500 m E 5332220 m N	0-32 – <b>Plow zone</b> – Very dark brown 32-55 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam 55-98 – <b>Weathered Glacial</b> – Dark brown sandy loam	None
476	SL 107	562460 m E 5332220 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam 32-44 – <b>Weathered Glacial</b> – Dark gray sandy loam 44-48 – <b>Weathered Glacial</b> – Yellowish brown sandy loam 48-99 – <b>Weathered Glacial</b> – Dark brown sandy loam  Groundwater at 96 cmbs.	None
477	SL 106	562420 m E 5332220 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-99 – <b>Weathered Glacial?</b> – Dark gray mottled with yellowish brown silt loam, ~10% gravel	None
478	SL 105	562380 m E 5332220 m N	0-27 – <b>Plow zone</b> – Very dark brown silt loam 27-60 – <b>Weathered Glacial</b> – Mottled dark gray and yellowish brown sandy loam, ~5% gravel, ~10% pebbles  Terminated due to very dense stratum.	None
479	BS 036	562380 m E 5332180 m N	0-33 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 33-100 – <b>Weathered Glacial</b> – Mottled orange and gray clayey loam, few gravels	None
480	BS 037	562420 m E 5332180 m N	0-29 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 29-79 – <b>Weathered Glacial</b> – Mottled orange and gray clayey loam, few gravels 79-102 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels	None
481	BS 038	562460 m E 5332180 m N	0-38 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 38-80 – <b>Weathered Glacial</b> – Brownish gray clayey medium grained sand, few gravels 80-100 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels	None
482	BS 039	562500 m E 5332180 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 35-55 – <b>Weathered Glacial</b> – Brownish gray clayey medium grained sand, few gravels 55-91 – <b>Weathered Glacial</b> – Brownish gray medium grained sandy loam 91-100 – <b>Weathered Glacial</b> – Orange clayey loam	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
483	BS 040	562540 m E 5332180 m N	0-38 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 38-97 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark brown fine grained sandy loam, few gravels, firm 97-110 – <b>Weathered Glacial</b> – Dark gray fine grained sand	None
484	BS 041	562580 m E 5332180 m N	0-32 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 32-70 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark brown fine grained sandy loam, few gravels, firm 70 – <b>Weathered Glacial</b> – Dark orange clay concretion, impassable	None
485	BS 042	562620 m E 5332180 m N	0-58 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 58-86 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray fine grained sandy loam, few gravels 86-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels	None
486	BS 043	562660 m E 5332180 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 36-85 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray fine grained sandy loam, few gravels 85-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels	None
487	BS 044	562700 m E 5332180 m N	0-31 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 31-84 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray fine grained sandy loam, few gravels 84-101 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels	None
488	JG 265	562740 m E 5332180 m N	0-43 – <b>Plow zone with relict topsoil/Alluvial present</b> – Dark brown sandy loam to loam, no gravels, with chunks of Gray to dark gray very fine to fine grained sandy loam to loamy sand, some charcoal flecks in lower 20 cm, firm 43-53 – <b>Possibly Alluvial</b> – Light gray fine to medium grained loamy sand to sand 53-70 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brownish gray fine to medium grained sand, few gravels 70-92 – <b>Weathered Glacial</b> – Light gray to light brownish gray fine to medium grained sandy loam, few gravels, wet  Terminated due to sloppy sediments and water. Water table at ~80 cmbs but flowing from ~70 cmbs.	None
489	SL 047 (2)	562780 m E 5332180 m N	0-31 – <b>Plow zone</b> – Very dark brown silt loam 31-74 – <b>Weathered Glacial</b> – Dark brown fine grained sandy loam, ~2% gravels, ~1% pebbles 74-95 – <b>Weathered Glacial</b> – sandy loam, ~5% gravels, ~5% pebbles	None
490	SL 048	562820 m E 5332180 m N	0-38 – <b>Plow zone</b> – Very dark brown silty loam 38-63 – <b>Weathered Glacial</b> – Dark brown medium grained sandy loam, ~10% gravels 63-96 – <b>Weathered Glacial</b> – Dark yellowish brown sandy loam, ~10% gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
491	SL 049	562860 m E 5332180 m N	0-28 – <b>Plow zone</b> – Very dark brown silty loam 28-43 – <b>Weathered Glacial</b> – Dark gray fine grained sandy loam 43-94 – <b>Weathered Glacial</b> – Dark brown medium grained sandy loam, ~10% gravel	None
492	SL 050	562900 m E 5332180 m N	0-29 – <b>Plow zone</b> – Very dark brown silty loam 29-34 – <b>Alluvial</b> – Dark gray medium grained sandy loam 36-38 – <b>Possible Wetland Deposit</b> – Brown clay 38-40 – <b>Possible Wetland Deposit</b> – Dark gray silt loam 40-92 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown medium grained sandy loam	None
493	SL 051	562940 m E 5332180 m N	0-29 – <b>Plow zone</b> – Very dark brown silty loam 29-70 – <b>Weathered Glacial</b> – sandy loam, ~30% gravels, ~50% pebbles (intact glacial till) 70-97 – <b>Weathered Glacial</b> – Dark brown medium grained sandy loam, ~10% gravels	None
494	SL 052	562980 m E 5332180 m N	0-32 – <b>Plow zone</b> – Very dark brown silty loam 32-100 – <b>Weathered Glacial?</b> – Dark grayish brown clay loam (~50% clay, ~30% silt, ~20% fine grained sand), compact	None
495	SL 053	563020 m E 5332180 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-48 – <b>Alluvial</b> – Dark grayish brown silt loam 48-97 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark yellowish brown sandy loam, ~10% gravel	None
496	SL 054	563060 m E 5332180 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-43 – <b>Alluvial</b> – Very dark brownish gray silt loam 43-92 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark brown mottled with yellowish brown fine grained sandy loam	None
497	SL 055	563100 m E 5332180 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-39 – <b>Alluvial</b> – Yellowish brown silt loam (developing b horizon?) 39-46 – <b>Alluvial</b> – Dark gray silt loam, ~1% gravel 46-100 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam  Groundwater at 96 cmbs.	None
498	SL 056	563140 m E 5332180 m N	0-26 – <b>Plow zone</b> – Very dark brown silt loam 26-30 – <b>Alluvial</b> – Dark gray silt loam mottled with yellowish brown silt loam 30-100 – <b>Weathered Glacial</b> – loamy sand (~20% silt, ~70% sand, ~10% gravels), loose like beach sand	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
499	JG 161	563180 m E 5332180 m N	<p>0-36 – <b>Plow zone</b> – Grayish brown loam, &lt;5% pebbles, chunks of brownish gray silt to loamy silt with charcoal bits, firm, moist, abrupt</p> <p>30-36 – <b>Relict Topsoil/wetland sediment</b> – Brownish gray silt to loamy silt with charcoal bits, firm, clear boundary</p> <p>36-48 – <b>Possibly Alluvial</b> – Light brownish gray fine grained loamy sand to sand</p> <p>48-63 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray fine to medium grained sand</p> <p>63-90 – <b>Weathered Glacial</b> – Gray and brown medium to coarse grained sand, firm</p> <p>90-135 – <b>Weathered Glacial</b> – Gray and brown coarse grained loamy sand, 20-30% pebbles to small gravels</p> <p>135-150 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained sand, 5-10% pebbles</p> <p>Started auger at 100 cmbs. Terminated at depth of tool. Water table at 100 cmbs.</p>	None
500	LF 074	563220 m E 5332180 m N	<p>0-32 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable (till layer)</p> <p>32-69 – <b>Weathered Glacial</b> – Gray medium to coarse grained sandy clayey loam, no gravels, clumpy, with scattered inclusions of red-brown, oxidized, sediments (alluvial)</p> <p>69-100 – <b>Weathered Glacial</b> – Gray coarse grained sand with &lt;5% subangular to subrounded gravels, loose (glacial)</p> <p>Terminated in glacial materials.</p>	None.
501	SL 026	563220 m E 5332140 m N	<p>0-34 – <b>Plow zone</b> – Very dark brown silt loam</p> <p>34-60 – <b>Weathered Alluvial/Reworked Glacial?</b> – Mottled dark gray and yellowish brown fine grained sandy loam</p> <p>60-96 – <b>Weathered Glacial</b> – Dark gray medium grained sandy loam, ~10% gravels</p>	None
502	SL 025	563180 m E 5332140 m N	<p>0-27 – <b>Plow zone</b> – Very dark brown silt loam</p> <p>27-53 – <b>Possibly Alluvial</b> – Dark grayish brown sandy loam</p> <p>53-65 – <b>Possibly Alluvial</b> – Dark gray silt loam</p> <p>65-110 – <b>Weathered Glacial</b> – Sandy loam</p> <p>Groundwater at 105 cmbs.</p>	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
503	JG 202	563140 m E 5332140 m N	<p>0-31 – <b>Plow zone</b> – Dark brownish gray loam, ~10% gravels in top 10 cm, 10-20% rootlets, with chunks of gray silt loam in the lower 15 cm, firm</p> <p>31-38 – <b>Possibly Alluvial</b> – Light gray to light yellowish brown fine grained sandy loam, no gravels, firm to very firm</p> <p>31-46 – <b>Possibly Alluvial</b> – Light gray to light yellowish brown fine grained sandy loam, no gravels, firm to very firm</p> <p>46-81 – <b>Weathered Glacial</b> Grayish brown to brownish gray fine to medium grained sand to loamy sand, ~10% pebbles to small gravels, slightly firm to firm</p> <p>81-100 – <b>Weathered Glacial</b> Gray medium to coarse grained sand, 5-10% pebbles to small gravels, subangular to rounded, damp to moist</p> <p>Water table at base.</p>	None
504	JG 203	563100 m E 5332140 m N	<p>0-42 – <b>Plow zone</b> – Grayish brown loam to sandy loam, few gravels, firm</p> <p>42-79 – <b>Relict Topsoil/Alluvial</b> – West half - Gray silt loam with charcoal ‘specks’, no gravels, firm to very firm (relict topsoil)</p> <p>42-79 – <b>Possibly Alluvial</b> – East half – Grayish brown to gray medium grained sand to loamy sand</p> <p>79-95 – <b>Possibly Alluvial</b> – Grayish brown fine to medium grained sand to loamy sand, few gravels</p> <p>95-108 – <b>Weathered Glacial</b> Gray medium to coarse grained sand, 10-20% pebbles to gravels, subangular to rounded</p> <p>Started auger at 93 cmbs due to slippery shovel handle. Terminated on rock. Water table at 98 cmbs. Hard rain.</p>	None
505	JG 204	563060 m E 5332140 m N	<p>0-38 – <b>Plow zone</b> – Grayish brown loam to sandy loam, few gravels, firm</p> <p>38-40 – <b>Relict Topsoil/Alluvial</b> – Gray silt loam with charcoal ‘specks’, no gravels, firm to very firm (relict topsoil)</p> <p>40-66 – <b>Weathered Glacial</b> – Strong brown sandy clay loam, few pebbles, sticky, firm, moist</p> <p>66-80 – <b>Weathered Glacial</b> – Light gray fine grained sand to sandy loam</p> <p>80-110 – <b>Weathered Glacial</b> – Brown and strong brown fine to medium grained sand to sandy loam</p> <p>110-130 – <b>Weathered Glacial</b> Gray medium to coarse grained sandy loam and sandy clay lenses, 10-20% pebbles to gravels, smelly</p> <p>Started auger at 75 cmbs due to slippery shovel handle. Terminated on rock. Water table at 115 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
506	JG 205	563020 m E 5332140 m N	<p>0-37 – <b>Plow zone</b> – Grayish brown loam to sandy loam, few gravels, firm</p> <p>37-47 – <b>Relict Topsoil/Alluvial</b> – Gray silt loam with charcoal ‘specks’, no gravels, firm to very firm (relict topsoil)</p> <p>47-63 – <b>Weathered Glacial</b> – Strong brown sandy clay loam, few pebbles, sticky, firm, moist</p> <p>63~115 – <b>Weathered Glacial</b> – Light gray to light brownish gray fine grained sandy loam, few gravels, firm</p> <p>~115-137 – <b>Weathered Glacial</b> Gray medium to coarse grained sand. 10-20% gravels, wet</p> <p>Started auger at 76 cmbs due to slippery shovel handle. Terminated in glacial/on rock. Water table at 80 cmbs.</p>	None
507	JG 206	562980 m E 5332140 m N	<p>0-48 – <b>Plow zone</b> – Grayish brown sandy loam, no gravels, firm</p> <p>48-63 – <b>Possibly Alluvial</b> – Gray fine grained sandy loam to loamy sand, no gravels, firm to very firm</p> <p>63-112 – <b>Weathered Glacial</b> – Strong brown medium grained sand and sandy clay loam, 10-20% pebbles to small gravels, crunchy, very firm</p> <p>112-137 – <b>Weathered Glacial</b> – Gray to blueish gray medium to coarse grained sandy clay with decreasing clay content with depth, 20-30% pebbles to small gravels</p> <p>Started auger at 90 cmbs due to compaction/slick shovel handle. Terminated in glacial/on rock. Water table at base.</p>	None
508	JG 207	562940 m E 5332140 m N	<p>0-27 – <b>Plow zone</b> – Grayish brown loam, no gravels, firm</p> <p>27-89 – <b>Weathered Alluvial</b> – Light gray and light yellowish brown fine to medium grained sand to loamy sand, no gravels, 10-20% oxidation, gray fine to medium grained sand between 30 to 40 cmbs, very firm</p> <p>89-95 – <b>Weathered Glacial with possible wetland ‘cap’</b> – Gray fine to medium grained sand to loamy sand with cap lens of gray silt loam to silt clay loam</p> <p>95-100 – <b>Weathered Glacial</b> – Gray to strong brown medium to coarse grained sand, 30-40% gravels</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
509	JG 208	562900 m E 5332140 m N	0-38 – <b>Plow zone</b> – Grayish brown loam, no gravels, firm 38-56 – <b>Weathered Alluvial</b> – Light yellowish brown sandy loam, no gravels, ~50% oxidation, firm to very firm 56-65 – <b>Weathered Glacial</b> – Strong brown medium grained sandy loam to loamy sand, no gravels, crunchy 65-70 – <b>Weathered Glacial</b> – Light gray sandy clay loam to loam, no gravels, firm, moist 70-100 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, no gravels, firm, wet  Water table at 98 cmbs.	None
510	JG 209	562860 m E 5332140 m N	0-38 – <b>Plow zone</b> – Grayish brown to brown loam, no gravels, firm 38-84 – <b>Weathered Glacial</b> – Light gray to light brownish gray fine to medium grained sandy loam to sandy clay loam, ~1% pebbles, 20-30% oxidation increasing to 50-60% with depth, firm to very firm, moist 84-96 – <b>Weathered Glacial</b> – Gray fine grained sandy clay loam, no gravels, ~30% vertical stripes of oxidation, firm, wet to moist 96-124 – <b>Weathered Glacial</b> – Gray fine to coarse grained sand, no gravels, smelly, wet  Started auger at 100 cmbs to verify sediments. Terminated in glacial. Water table at 97 cmbs.	None
511	JG 210	562820 m E 5332140 m N	0-42 – <b>Plow zone</b> – Dark brown loam, no gravels, firm, damp to moist 42-59 – <b>Weathered Glacial</b> – Light yellowish brown fine grained with medium grained sand, no gravels, firm to very firm, damp 59-100 – <b>Weathered Glacial</b> – Gray medium grained with coarse grained sand, ~1% pebbles to small gravels, subangular to rounded, firm, moist  Terminated in glacial.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
512	JG 211	562780 m E 5332140 m N	<p>0-45 – <b>Plow zone</b> – Dark brown loam, no gravels, firm, damp to moist</p> <p>45-55 – <b>Relict Topsoil/wetland sediment</b> – Gray silt loam with charcoal ‘specks’, no gravels, firm to very firm (relict topsoil)</p> <p>55-90 – <b>Possibly Alluvial</b> – Light yellowish brown fine grained with medium grained sand, no gravels, firm to very firm, damp</p> <p>90-100 – <b>Weathered Glacial</b> – Gray medium grained with coarse grained sand, 20-30% pebbles to small gravels, subangular to rounded, firm, moist</p> <p>Terminated in glacial. Water table at ~97 cmbs.</p>	None
513	JG 264	562740 m E 5332140 m N	<p>0-33 – <b>Plow zone</b> – Dark brown sandy loam to loam, no gravels, firm</p> <p>33-40 – <b>Relict Topsoil/Alluvial</b> – Gray to dark gray very fine to fine grained sandy loam to loamy sand, some charcoal flecks, no gravels</p> <p>40-63 – <b>Alluvial/Wetland deposit</b> – Brown fine grained sandy loam to loamy sand, ~1% pebbles, firm</p> <p>63-72 – <b>Possible Alluvial/Wetland deposit</b> – Dark brown fine grained sandy loam, firm with chunks of orange very fine grained sandy loam, firm to very firm</p> <p>72-100 – <b>Weathered Glacial</b> – Gray to light gray fine to medium grained loamy sand, ~1% pebbles, ~20% light orange oxidation, moist to wet, firm</p> <p>Water table at ~95 cmbs but flowing from ~80 cmbs.</p>	None
514	JG 263	562700 m E 5332140 m N	<p>0-35 – <b>Plow zone</b> – Dark brown sandy loam, no gravels, firm</p> <p>35-50 – Brown medium grained sand to loamy sand, &lt;5% pebbles, firm</p> <p>50-90 – Brown to grayish brown medium to coarse grained sand to loamy sand, ~10% pebbles to gravels, wet, firm to slightly firm</p> <p>90-95 – <b>Weathered Glacial</b> – Gray to dark gray fine to medium grained sand, few gravels, wet, firm</p> <p>Water table at ~80 cmbs but flowing from ~50 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
515	JG 262	562660 m E 5332140 m N	0-35 – <b>Plow zone</b> – Dark brown loam, no gravels, wet, firm 35-55 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light yellowish brown fine to medium grained sandy loam, ~10% pebbles to gravels, wet, very firm 55-80 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to gravels, 20-30% brown oxidation, wet 80-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to gravels, wet  Started auger at ~45 cmbs due to high water table. Wat table at ~40 cmbs but seeping from ~30 cmbs.	None
516	JG 261	562620 m E 5332140 m N	0-30 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm 30~60 – <b>Weathered Glacial</b> – Yellowish brown and strong brown coarse grained sandy clay loam to loamy clay sand, 10-20% pebbles to gravels, wet ~60-100 – <b>Weathered Glacial</b> – Brownish gray to grayish brown medium to coarse grained loamy sand to sandy loam, ~10% pebbles, wet  Started auger at ~65 cmbs due to perched water table. Water table at ~65 cmbs but seeping from ~30 cmbs.	None
517	JG 260	562580 m E 5332140 m N	0-32 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm 32-90 – <b>Weathered Glacial</b> – Yellowish brown and strong brown coarse grained sandy clay loam to loamy clay sand, 10-20% pebbles to gravels, wet 90-105 – <b>Weathered Glacial</b> – Brownish gray to grayish brown medium to coarse grained loamy sand to sandy loam, ~10% pebbles, wet  Started auger at ~35 cmbs due to high water table. Water table at ~20 cmbs.	None
518	JG 259	562540 m E 5332140 m N	0-29 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm 29-85 – <b>Alluvial?</b> – Gray medium grained sand to loamy sand, few gravels, wet, very firm 85-100 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown and strong brown medium to coarse grained sandy loam, 10-20% pebbles, wet 100-105 – <b>Weathered Glacial</b> – Gray fine grained sandy loam to loam with 20-30% coarse grained sands/pebbles, loam is a bit silty  Started auger at 60 cmbs due to compaction and water. Water table at ~89 cmbs but fed from ~45 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
519	JG 258	562500 m E 5332140 m N	<p>0-35 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm</p> <p>35-60 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light yellowish brown fine to medium grained sandy loam, &lt;5% pebbles, moist, firm to very firm</p> <p>60-85 – <b>Weathered Glacial</b> – Yellowish brown medium to coarse grained sandy loam to sandy clay loam, ~10% pebbles to gravels, ~30% oxidation, wet, very firm</p> <p>85-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sandy loam, 5-10% pebbles to gravels, firm to very firm</p> <p>100-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, no gravels, chunk of wood, wet, firm</p> <p>Started auger at 65 cmbs due to perched water table. Water table at 70 cmbs but seeping from ~58 cmbs.</p>	None
520	JG 257	562460 m E 5332140 m N	<p>0-35 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm</p> <p>35-54 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to gray medium grained sand, no gravels, moist, firm</p> <p>54-68 – <b>Weathered Glacial</b> – Yellowish brown and strong brown medium to coarse grained loamy sand to sandy loam, ~10% pebbles to gravels, ~30% oxidation, wet, firm</p> <p>68-95 – <b>Weathered Glacial</b> – Yellowish brown medium to coarse grained sandy loam to sandy clay loam, ~10% pebbles to gravels, ~30% oxidation, wet</p> <p>95-110 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, no gravels, wet, firm</p> <p>Started auger at 86 cmbs due to high water table. Water table at ~76 cmbs but flowing from ~65 cmbs.</p>	None
521	JG 256	562420 m E 5332140 m N	<p>0-44 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm</p> <p>44-50 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to gray medium grained sand, no gravels, moist, firm</p> <p>50-60 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray medium grained sand to loamy sand, few gravels, wet, firm</p> <p>60-90 – <b>Weathered Glacial</b> – Yellowish brown medium to coarse grained sandy loam to sandy clay loam, ~10% pebbles to gravels, ~30% oxidation, wet</p> <p>90-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, no gravels, wet, firm</p> <p>Started auger at 70 cmbs due to high water table. Water table at ~59 cmbs but flowing from ~45 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
522	JG 255	562380 m E 5332140 m N	0-33 – <b>Plow zone</b> – Brown to dark brown loam, few pebbles, firm 33-43 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light brownish gray and light yellowish brown fine to medium grained sandy loam, 5-10% pebbles to gravels, firm 43-60 – <b>Weathered Glacial</b> – Brown to yellowish brown medium to coarse grained sandy loam, 20-30% pebbles to gravels, firm to very firm 60-75 – <b>Weathered Glacial</b> – Gray to brownish gray medium to coarse grained sand to loamy sand, ~5% pebbles to gravels 75-90 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, <5% pebbles to small gravels, wet  Terminated in glacial. Water table at 75 cmbs.	None
523	SL 124	562380 m E 5332100 m N	0-25 – <b>Plow zone</b> – Very dark brown silt loam 25-86 – <b>Possibly Alluvial</b> – Dark brown sandy loam, ~10% gravels  Started auger at 68 cmbs due to water. Groundwater at 68 cmbs.	None
524	SL 123	562420 m E 5332100 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-98 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels  Groundwater at 95 cmbs.	None
525	SL 122	562460 m E 5332100 m N	0-33 – <b>Plow zone</b> – Very dark brown silt loam 33-90 – <b>Weathered Glacial</b> – Dark brownish gray sandy loam  Started auger at 72 cmbs. Groundwater at 72 cmbs.	None
526	SL 121	562500 m E 5332100 m N	0-37 – <b>Plow zone</b> – Very dark brown silt loam 37-74 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels  Terminated at very densely compact stratum.	None
527	SL 120	562540 m E 5332100 m N	0-20 – <b>Plow zone</b> – Very dark brown silt loam 20-69 – <b>Possibly Alluvial</b> – Dark gray mottled with yellowish brown sandy loam, ~5% gravels 69-87 – <b>Weathered Glacial?</b> – Dark gray mottled with yellowish brown sandy loam  Started auger at 69 cmbs due to water. Groundwater at 69 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
528	SL 119	562580 m E 5332100 m N	0-35 – <b>Plow zone</b> – Very dark brown silt loam 35-47 – <b>Weathered Glacial?</b> – Dark gray sandy loam, ~10% gravels 47-85 – <b>Weathered Glacial</b> – Dark brown sandy loam, ~5% gravels  Groundwater at 62 cmbs.	None
529	SL 118	562620 m E 5332100 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-32 – <b>Alluvial</b> – Very dark gray sandy loam 32-69 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~30% gravels, very dense compaction 69-97 – <b>Weathered Glacial</b> – Yellowish brown silty loam  Groundwater at 79 cmbs.	None
530	SL 117	562660 m E 5332100 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam 32-57 – <b>Weathered Glacial</b> – Dark gray sandy loam 57-98 – <b>Weathered Glacial</b> – Dark yellowish silt loam, ~10% gravels	None
531	SL 116	562700 m E 5332100 m N	0-40 – <b>Plow zone</b> – Very dark brown silt loam 40-95 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, ~10% gravels	None
532	SL 115	562740 m E 5332100 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-37 – <b>Alluvial</b> – Yellowish brown sandy loam 37-57 – <b>Possibly Wetland/Alluvial</b> – Very dark brown silt loam 57-101 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, ~10% gravels	None
533	SL 068	562780 m E 5332100 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-68 – <b>Alluvial</b> – Dark brown sandy loam 68-71 – <b>Possibly Wetland/Alluvial</b> – Brown clay 71-75 – <b>Possibly Wetland/Alluvial</b> – Black clay (non-cultural, no charcoal, doesn't smear, no cultural material) 75-99 – <b>Weathered Glacial</b> – Dark gray clay	None
534	SL 067	562820 m E 5332100 m N	0-28 – <b>Plow zone</b> – Very dark brown silty loam 28-34 – <b>Possibly Alluvial</b> – Brown silty loam 34-79 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels, ~5% pebbles 79-100 – <b>Weathered Glacial</b> – Dark gray clay	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
535	SL 064	562860 m E 5332100 m N	0-36 – <b>Plow zone</b> – Very dark brown silt loam 36-62 – <b>Weathered Glacial</b> – Gray mottled with yellowish brown silt loam, ~10% gravels 62-96 – <b>Weathered Glacial</b> – Dark gray mottled yellowish brown sandy loam, ~5% gravels, ~1% pebbles  Groundwater at 94 cmbs.	None
536	SL 063	562900 m E 5332100 m N	0-32 – <b>Plow zone</b> – Very dark brown silty loam 32-40 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~10% gravel 40-98 – <b>Weathered Glacial</b> – Yellowish brown loam, ~20% gravels, ~30% pebbles, sticky	None
537	SL 062	562940 m E 5332100 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-50 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy silt 50-92 – <b>Weathered Glacial</b> – Yellowish brown loam, ~10% gravels, ~20% pebbles, sticky	None
538	SL 061	562980 m E 5332100 m N	0-38 – <b>Plow zone</b> – Very dark brown silt loam 38-72 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~5% gravels, sticky 72-95 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~20% gravels, ~10% pebbles, compact	None
539	SL 060	563020 m E 5332100 m N	0-36 – <b>Plow zone</b> – Very dark brown silt loam 36-98 – <b>Weathered Glacial</b> – Dark grayish brown mottled with yellowish brown sandy loam, ~10% gravel	None
540	SL 059	563060 m E 5332100 m N	0-38 – <b>Plow zone</b> – Very dark brown silty loam 38-55 – <b>Possibly Alluvial</b> – Brown mottled with yellowish brown silt loam 55-95 – <b>Possibly Alluvial</b> – Mottled gray and yellowish brown silt loam	None
541	SL 058	563100 m E 5332100 m N	0-34 – <b>Plow zone</b> – Very dark brown silt loam 34-42 – <b>Possibly Alluvial</b> – Dark brown fine grained sandy loam 42-99 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~10% gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
542	SL 057	563140 m E 5332100 m N	0-34 – <b>Plow zone</b> – Very dark brown silt loam 34-59 – <b>Possibly Alluvial</b> – Dark grayish brown mottled with yellowish brown medium grained sandy loam 59-90 – <b>Weathered Glacial</b> – Dark brown sandy loam, ~30% gravels, ~20% pebbles 90-95 – <b>Weathered Glacial</b> – Yellowish brown and gray mottled silt loam	None
543	JG 162	563180 m E 5332100 m N	0-35 – <b>Plow zone with disturbed glacial sediments</b> – Grayish brown to dark brown loam, ~1% pebbles to gravels, with chunks of brownish gray sand to loamy sand in lower 10 cm, firm, irregular boundary 35-59 – <b>Weathered Glacial</b> – Light yellowish brown to light brownish gray fine to medium grained sand with trace silts, firm to slightly firm, damp, diffuse boundary 59-100 – <b>Weathered Glacial</b> – Light gray to gray medium to coarse grained sand, 5-10% pebbles to gravels, slightly firm, damp	None
544	LF 075	563180 m E 5332060 m N	0-35 – <b>Plow zone</b> – Dark brown fine grained friable sandy loam, no gravels, friable 35-120 – <b>Weathered Glacial</b> – Gray medium-coarse grained sandy clayey loam, no gravels, clumpy, with scattered inclusions of red-brown, oxidized sediments 120-150 – <b>Weathered Glacial</b> – Gray coarse grained sand with <5% subangular to subrounded gravels, loose Water table at 135 cmbs.  Terminated in glacial materials.	None.
545	LF 097	563140 m E 5332060 m N	0-32 – <b>Plow zone</b> – Dark brown fine grained sandy loam with 30% subangular to subrounded gravels, pebbles, and cobbles, friable 32-53 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained loamy sand, no gravels, clumpy 53-90 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained loamy clay sand with inclusions of oxidized red-brown sediments and 1% subangular to round gravels and pebbles, clumpy 90-100 Gray-brown coarse grained sand with 5% subrounded to round gravels and pebbles, loose  Terminated in glacial materials.	None.

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
546	LF 098	563100 m E 5332060 m N	0-34 – <b>Plow zone</b> – Dark brown fine grained sandy loam with <5% subangular to subrounded gravels and pebbles, friable 34-95 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained loamy clay sand with inclusions of oxidized red-brown sediments and 1% subangular to round gravels and pebbles, clumpy 95-100 – <b>Weathered Glacial</b> – Gray-brown coarse grained sand with 30% subrounded to round gravels, pebbles, and cobbles, loose  Terminated in glacial materials.	None.
547	LF 099	563060 m E 5332060 m N	0-38 – <b>Plow zone</b> – Dark brown fine grained sandy loam with <5% subangular to subrounded gravels and pebbles, friable 34-70 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained loamy clay sand with inclusions of oxidized red-brown sediments and 1% subangular to round gravels and pebbles, clumpy 70-100 – <b>Weathered Glacial</b> – Gray-brown medium to coarse grained sand (increasing in coarseness with depth) with <5% subrounded to round gravels, pebbles, and cobbles, loose  Terminated in glacial materials.	None.
548	LF 100	563020 m E 5332060 m N	0-37 – <b>Plow zone</b> – Dark brown fine grained sandy loam with <1% subangular to subrounded gravels and pebbles, friable 37-76 – <b>Weathered Glacial</b> – Gray fine to medium-coarse grained loamy clay sand with inclusions of oxidized red-brown sediments and <1% subangular to round gravels and pebbles, clumpy 76-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand (increasing in coarseness with depth) with <5% subrounded to round gravels and pebbles, loose  Terminated in glacial materials.	None.
549	LF 101	562980 m E 5332060 m N	0-36 – <b>Plow zone</b> – Dark brown fine grained sandy loam with 1% subangular to subrounded gravels and pebbles, friable 36-85 – <b>Weathered Glacial</b> – Red-orange, oxidized fine to medium-coarse grained loamy clay sand with 10-15% subangular to round gravels, pebbles, and cobbles, clumpy 85-100 – <b>Weathered Glacial</b> – Gray-brown medium to coarse grained sand (increasing in coarseness with depth) with 35% subrounded to round gravels and pebbles, loose  Terminated in glacial materials.	None.

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
550	LF 102	562940 m E 5332060 m N	<p>0-32 – <b>Plow zone</b> – Dark brown fine sandy grained loam with &lt;5% subangular to subrounded gravels and pebbles, friable</p> <p>32-97 – <b>Weathered Glacial</b> – Red-orange, oxidized fine to medium-coarse loamy clay sand with small amounts of gray sediments throughout, 15-30% subangular to round gravels, pebbles and cobbles (increasing in concentration with depth), clumpy, compact 72-97 cmbs</p> <p>97-110 – <b>Weathered Glacial</b> – Black medium-coarse grained sand with &lt;5% subangular to subrounded gravels and pebbles, very compact 110-135 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand (increasing in coarseness with depth) with 15% subrounded to round gravels and pebbles, loose</p> <p>Started auger at 100 cmbs. Terminated in glacial materials. Water table at 110 cmbs.</p>	None.
551	LF 103	562900 m E 5332060 m N	<p>0-34 – <b>Plow zone</b> – Dark brown fine grained sandy loam, no gravels, friable</p> <p>34-73 – <b>Weathered Glacial</b> – Red-orange, oxidized fine to medium-coarse grained loamy clay sand with small amounts of gray sediments throughout, 30-40% subangular to round gravels, pebbles and cobbles, clumpy</p> <p>73-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand (increasing in coarseness with depth) with 45% subrounded to round gravels and pebbles, loose</p> <p>Terminated in glacial materials.</p>	None.
552	JG 212	562860 m E 5332060 m N	<p>0-30 – <b>Plow zone</b> – Dark brown loam, no gravels, firm, damp to moist</p> <p>30-40 – <b>Relict Topsoil/Alluvial</b> – Gray silt loam with charcoal ‘specks’, no gravels, firm to very firm</p> <p>40-50 – <b>Possibly Alluvial</b> – Light yellowish brown fine grained with medium grained sand, no gravels, firm to very firm, damp</p> <p>50-88 – <b>Weathered Glacial</b> – Gray to brownish gray medium grained sandy loam, ~10% pebbles to gravels, ~50% oxidation, sticky, moist to wet</p> <p>88-100 – <b>Weathered Glacial</b> – Gray coarse to very coarse grained sandy loam, clay content, ~40% oxidation, 20-30% gravels, sticky</p> <p>Terminated in glacial. Water table at base.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
553	JG 213	562820 m E 5332060 m N	0-38 – <b>Plow zone</b> – Dark brown loam, no gravels, firm, damp to moist, abrupt boundary 38-64 – <b>Possibly Alluvial</b> – Light yellowish brown fine grained with medium grained sand, no gravels, firm to very firm, damp, diffuse boundary 64-90 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles and gravels, 30-40% oxidation, firm, moist to wet 90-100 – <b>Weathered Glacial</b> – Brown fine to coarse grained sand, 5-10% pebbles  Water table at base.	None
554	JG 214	562780 m E 5332060 m N	0-38 – <b>Plow zone</b> – Dark brown loam 38-51 – <b>Possibly Alluvial</b> – Light gray very fine grained loamy sand 51-66 – <b>Weathered Glacial</b> – Gray fine grained sand 66-73 – <b>Weathered Glacial</b> – Strong brown fine to medium grained sandy loam, concreted 73-130 – <b>Weathered Glacial</b> – Light yellowish brown fine to medium grained loamy sand, no gravels, 40-50% oxidation, firm, moist to wet 89-100 – <b>Weathered Glacial</b> – Pocket in north wall – Gray to blueish gray loam to sandy loam, no gravels, firm 130-150 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles, wet  Started auger at 100 cmbs to verify sediments. Terminated at depth/in glacial. Water table at 100 cmbs.	None
555	BS 045	562740 m E 5332060 m N	0-37 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 37-60 – <b>Weathered Glacial?</b> – Brownish gray fine grained sandy loam, few gravels 60-70 – <b>Weathered Glacial</b> – Light orange clay 70-102 – <b>Weathered Glacial</b> – Light brown sandy loam, few gravels	None
556	BS 046	562700 m E 5332060 m N	0-41 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 41-79 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels 79-103 – <b>Weathered Glacial</b> – Dark brown medium grained loamy sand, ~10% rounded gravels	None
557	BS 047	562660 m E 5332060 m N	0-39 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 39-91 – <b>Weathered Glacial</b> – Light brownish gray loamy fine grained sand, few gravels 91-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
558	BS 048	562620 m E 5332060 m N	0-33 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 33-89 – <b>Weathered Glacial</b> – Brownish orange loamy clay, few rounded gravels 89-100 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels	None
559	BS 049	562580 m E 5332060 m N	0-31 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 31-82 – <b>Weathered Glacial</b> – Brownish orange loamy clay, few rounded gravels 82-100 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels  Water table at 65 cmbs.	None
560	BS 050	562540 m E 5332060 m N	0-27 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 27-84 – <b>Weathered Glacial</b> – Brownish orange loamy clay, few rounded gravels 84-100 – <b>Weathered Glacial</b> – Dark gray medium grained sand, few gravels	None
561	BS 051	562500 m E 5332060 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 30-55 – <b>Weathered Glacial</b> – Brownish orange loamy clay, few rounded gravels 55-88 – <b>Weathered Glacial</b> – Light brownish-gray loamy fine grained sand, few gravels 88-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels	None
562	BS 052	562460 m E 5332060 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 36-80 – <b>Weathered Glacial</b> – Brownish orange loamy clay, few rounded gravels 80-100 – <b>Weathered Glacial</b> – Light brownish-gray fine grained sand, few gravels	None
563	BS 053	562420 m E 5332060 m N	0-27 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 27-35 – <b>Possible Wetland Deposit</b> – Light brownish gray very fine grained sandy clay with small flecks of charcoal 35-97 – <b>Weathered Glacial</b> – Orange-ish-brown fine grained sandy clay, few gravels 97-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels	None
564	BS 054	562380 m E 5332060 m N	0-28 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 28-80 – <b>Weathered Glacial</b> – Orange-ish-brown fine grained sandy clay, few gravels ~80 – <b>Weathered Glacial</b> – Dark orange-brown loamy clay, thin layer 80-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
565	JG 266	562460 m E 5332020 m N	0-33 – <b>Plow zone</b> – Dark brown loam, no gravels, firm 33-53 – <b>Weathered Glacial</b> – Light gray fine grained loamy sand to sandy loam, <5% pebbles, ~20% oxidation, firm to very firm 53-85 – <b>Weathered Glacial</b> – Gray and brown fine to medium grained sand to loamy sand 85-95 – <b>Weathered Glacial</b> – Brownish gray and orangey brown medium grained sandy clay loam, no gravels, wet, firm to very firm 95-100 – <b>Weathered Glacial</b> – Dark gray fine grained loamy sand  Started auger at ~75 cmbs due to water and sloppy soils. Water table at ~60 cmbs.	0-25 cmbs – 1 shard white plastic
566	JG 267	562500 m E 5332020 m N	0-25 – <b>Plow zone</b> – Brown to dark brown loam, no gravels, wet, firm 25-38 – <b>Possible Wetland Deposit</b> – Light gray fine grained loamy sand, no gravels, with chunks of yellowish to pinkish yellow very fine grained sand to loamy sand in top 5 cm 38-50 – <b>Possible Wetland Deposit</b> – Dark gray loam to silt loam, no gravels, firm 50-69 – <b>Weathered Glacial</b> – Brown to strong brown medium grained sand to loamy sand, ~10% gravels, firm with increasing compaction and presence of compacted sand with depth  Terminated due to compaction. Water table at ~60 cmbs but flowing from topsoil.	None
567	JG 268	562540 m E 5332020 m N	0-31 – <b>Plow zone</b> – Brown to dark brown loam, no gravels, wet, firm 31-40 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray fine grained loamy sand to sandy loam, <5% pebbles, ~20% oxidation, firm to very firm 40-48 – <b>Weathered Glacial</b> – Brown to strong brown medium grained sand to loamy sand, ~10% gravels, firm with increasing compaction and presence of compacted sand with depth  Terminated due to compaction. Water table at base and flowing from ~40 cmbs.	None
568	JG 269	562580 m E 5332020 m N	0~36 – <b>Plow zone</b> – Dark brown loam, few gravels, wet, firm ~36-40 – <b>Weathered Glacial</b> – Gray and strong brown coarse grained sand to loamy sand, 50-60% large gravels, very firm to hard  Terminated due to compaction and rocks. Water table at ~35 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
569	JG 270	562620 m E 5332020 m N	<p>0~40 – <b>Plow zone</b> – Dark brown loam, few gravels, moist to wet, firm</p> <p>~40~70 – <b>Weathered Glacial</b> – Brown to strong brown medium to coarse grained loamy sand to sandy loam, 10-20% pebbles to gravels, wet, firm to very firm</p> <p>~70-100 – <b>Weathered Glacial</b> – Light gray and strong brown medium to coarse grained sandy clay loam, sticky, wet, very firm</p> <p>Started auger at ~65 cmbs due to water and compaction. Water table at ~50cmbs, but flowing from ~30 cmbs.</p>	None
570	JG 271	562660 m E 5332020 m N	<p>0-35 – <b>Plow zone with disturbed glacial sediments</b> – Brown to dark brown sandy loam to loam, no gravels, some chunks of light brownish gray to light yellowish brown fine grained sand to loamy sand in the lower 10 cm, moist, firm</p> <p>35-55 – <b>Weathered Glacial</b> – Light brownish gray to light yellowish brown fine grained sand to loamy sand, moist to wet, firm</p> <p>55-85 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, &lt;5% pebbles, wet, firm</p> <p>Terminated in intact glacial. Water table at ~72 cmbs but flowing from ~60 cmbs.</p>	None
571	JG 272	562700 m E 5332020 m N	<p>0-36 – <b>Plow zone</b> – Dark brown loam, no gravels</p> <p>36-60 – <b>Weathered Glacial</b> – Light brownish gray to light yellowish brown fine grained sand to loamy sand, moist, firm</p> <p>60~80 – <b>Weathered Glacial</b> – Gray to light gray fine grained sand to loamy sand, &lt;5% pebbles, moist to wet, firm</p> <p>~80~90 – <b>Weathered Glacial</b> – Light gray very fine grained sandy loam to loam, no gravels, moist, very firm</p> <p>~90-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, wet</p> <p>Started auger at ~90 cmbs due to a high water table. Water table at ~60 cmbs but flowing from ~45 cmbs.</p>	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
572	JG 273	562740 m E 5332020 m N	0-35 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm 35-51 – <b>Weathered Glacial</b> – Light yellowish brown to light gray fine grained loamy sand to sandy loam, no gravels, 10-20% oxidation 51-58 – <b>Weathered Glacial</b> – Strong brown medium grained sandy loam, some concreted black sands, ~10% pebbles to gravels, moist to wet, firm 58-80 – <b>Weathered Glacial</b> – Gray medium to coarse grained loamy sand to sandy loam, few pebbles, ~10% oxidation, wet, firm to very firm ~80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand with some dark brown staining and some oxidation which reduces with depth, no gravels, wet  Started auger at ~80 cmbs due to water. Water table at ~70 cmbs but flowing from ~60 cmbs.	None
573	SL 069	562780 m E 5332020 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-99 – <b>Weathered Glacial</b> – Gray and yellowish brown sandy loam, ~10% gravels, ~5% pebbles	None
574	SL 070	562820 m E 5332020 m N	0-48 – <b>Plow zone</b> – Very dark brown silt loam 48-100 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels, ~10% pebbles	None
575	SL 071	562860 m E 5332020 m N	0-42 – <b>Plow zone</b> – Very dark brown silt loam 42-99 – <b>Weathered Glacial</b> – Mottled gray and yellowish brown mottled sandy loam, ~10% gravels, compact	None
576	SL 072	562900 m E 5332020 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-56 – <b>Weathered Glacial</b> – Dark gray and yellowish brown sandy loam, ~10% gravel 56-100 – <b>Weathered Glacial</b> – Dark gray sandy loam	None
577	SL 073	562940 m E 5332020 m N	0-35 – <b>Plow zone</b> – Very dark brown silt loam 35-99 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels, ~10% pebbles  Groundwater at 96 cmbs.	None
578	SL 074	562980 m E 5332020 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-99 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels, ~10% pebbles	None
579	SL 075	563020 m E 5332020 m N	0-18 – <b>Plow zone</b> – Very dark brown silt loam 18-86 – <b>Weathered Glacial</b> – Mottled gray and yellowish brown sandy loam, ~10% gravels, ~10% pebbles 86-98 – <b>Weathered Glacial</b> – Grayish blue sandy loam, ~10% gravel, compact	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
580	SL 076	563060 m E 5332020 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-56 – <b>Weathered Glacial</b> – Brown mottled with yellowish brown sandy loam, ~10% gravels, ~10% pebbles 56-98 – <b>Weathered Glacial</b> – Gray mottled with yellowish brown sandy loam	None
581	SL 077	563100 m E 5332020 m N	0-37 – <b>Plow zone</b> – Very dark brown silt loam 37-99 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown silt loam, ~5% gravels, ~5% pebbles, sticky	None
582	SL 078	563140 m E 5332020 m N	0-37 – <b>Plow zone</b> – Very dark brown silt loam 37-59 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray mottled with yellowish brown silt loam, sticky 59-98 – <b>Weathered Glacial</b> – Yellowish brown silt loam, ~10% gravels	None
583	JG 223	563100 m E 5331980 m N	0-28 – <b>Plow zone</b> – Dark brown loam, few pebbles, slightly firm to firm 28-41 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light yellowish brown fine grained loamy sand, no gravels, firm 41-87 – <b>Weathered Glacial</b> – Yellowish brown and strong brown medium grained sandy loam, ~10% pebbles to gravels, sticky, firm, moist 87-100 – <b>Weathered Glacial</b> – Gray to light gray medium grained sand to loamy sand, no gravels  Terminated in glacial.	None
584	JG 222	563060 m E 5331980 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few pebbles, slightly firm to firm 36-63 – <b>Weathered Glacial</b> – Light gray to light yellowish brown fine grained loamy sand, no gravels, firm 63-91 – <b>Weathered Glacial</b> – Yellowish brown and strong brown medium grained sandy loam, ~10% pebbles to gravels, sticky, firm, moist 91-125 – <b>Weathered Glacial</b> – Light brownish gray to strong brown coarse grained sandy loam to sandy clay loam, 10-20% pebbles, some plant remains with depth, firm, moist to wet 125-140 – <b>Weathered Glacial</b> – Gray fine to coarse grained sand, no gravels, firm, wet  Started auger at 100 cmbs. Terminated in glacial. Water table at 103 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
585	JG 221	563020 m E 5331980 m N	<p>0-29 – <b>Plow zone</b> – Dark brown loam, few pebbles, slightly firm to firm</p> <p>29-49 – <b>Weathered Glacial</b> – Light gray to light yellowish brown coarse grained sand to loamy sand, 10-20% pebbles and gravels</p> <p>49-90 – <b>Weathered Glacial</b> – Strong brown coarse grained sandy loam to loamy sand, 30-40% pebbles to (some) cobbles, subangular to rounded, very firm to hard</p> <p>90-95 – <b>Weathered Glacial</b> – Gray to blueish gray sandy loam to sandy clay loam</p> <p>95-105 – <b>Weathered Glacial</b> – Light brown fine to medium grained, no gravels, slightly firm</p> <p>105-140 – <b>Weathered Glacial</b> – Gray to blueish gray medium grained sandy loam to grayish black sandy clay loam, few gravels, firm to very firm, wet</p> <p>140-150 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, wet</p> <p>Started auger at 70 cmbs due to compaction. Terminated at depth of tool/ in glacial. Water table at 110 cmbs.</p>	None
586	JG 220	562980 m E 5331980 m N	<p>0-29 – <b>Plow zone</b> – Brown loam, few gravels, firm to slightly firm, clear boundary</p> <p>29-88 – <b>Weathered Glacial</b> – Light gray and light brown mottled fine to medium grained sandy clay loam, ~10% pebbles to gravels, subangular to rounded, ~10% strong brown oxidation, firm, sticky, moist</p> <p>88-110 – <b>Weathered Glacial</b> – Light brown to light brownish gray fine to medium grained loamy sand to sandy clay loam, ~10% pebbles and gravels, subangular to rounded, anaerobic smell with some plant materials, firm, moist to wet</p> <p>110-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, ~5% pebbles, wet</p> <p>Started auger at 94 cmbs due to sticky compacted sediments. Terminated in glacial. Water table at 90 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
587	JG 219	562940 m E 5331980 m N	<p>0-30 – <b>Plow zone</b> – Brown loam, 5-10% pebbles and gravels, slightly firm to firm</p> <p>30-90 – <b>Weathered Glacial</b> – Yellowish brown and strong brown medium grained sandy loam, non-homogeneous ranging from fine grained sandy loam to coarse grained sandy loam/loamy sand, ~10% pebbles and gravels, increasing to 20-30% pebbles through cobbles at base, angular to rounded, firm</p> <p>90-105 – <b>Weathered Glacial</b> – Gray to blueish gray medium grained sandy loam to grayish black sandy clay loam, few gravels, firm to very firm, wet</p> <p>105-130 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~5% pebbles, wet</p> <p>Started auger at 100 cmbs. Terminated in glacial/on rock. Water table at 84 cmbs.</p>	None
588	JG 218	562900 m E 5331980 m N	<p>0-29 – <b>Plow zone</b> – Grayish brown loam, ~10% gravels, firm, damp, abrupt-clear</p> <p>29-35 – <b>Weathered Glacial</b> – Light yellowish brown to light gray fine to medium grained sand, ~10% gravels, ~10% oxidation, firm to very firm, diffuse boundary</p> <p>35-80 – <b>Weathered Glacial</b> – Gray fine to medium grained sandy loam to loamy sand, 10-20% pebbles to gravels, 50-60% oxidation, moist</p> <p>80-105 – <b>Weathered Glacial</b> – Brownish gray fine to medium grained sandy loam to loamy sand, 10-20% pebbles to gravels, 20-30% oxidation, wet</p> <p>Started auger at 100 cmbs to verify sediment. Terminated on rock. Water table at ~97 cmbs.</p>	None
589	JG 217	562860 m E 5331980 m N	<p>0-26 – <b>Plow zone</b> – Grayish brown loam, no gravels, firm, damp, abrupt-clear</p> <p>26-29 – <b>Weathered Glacial</b> – North side - Light yellowish brown to light gray fine to medium grained sand, ~5% gravels, ~10% oxidation, firm to very firm, diffuse boundary</p> <p>26-35 – <b>Weathered Glacial</b> – Black and strong brown fine to medium grained sandy loam, concreted</p> <p>Terminated due to compaction.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
590	JG 216	562820 m E 5331980 m N	0-29 – <b>Plow zone</b> – Grayish brown loam, 5-10% gravels, firm, damp, abrupt-clear 29-44 – <b>Weathered Glacial</b> – Light yellowish brown to light gray fine to medium grained sand, 5-10% gravels, ~10% oxidation, firm to very firm, diffuse boundary 44-72 – <b>Weathered Glacial</b> – Gray fine to medium grained sandy loam to loamy sand, 5-10% pebbles to gravels, 50-60% oxidation, moist 72-100 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, ~5% pebbles to gravels, 10-20% vertical oxidation stripes, wet  Water table at 89 cmbs.	None
591	JG 215	562780 m E 5331980 m N	0-29 – <b>Plow zone</b> – Grayish brown loam, no gravels, firm, damp, abrupt-clear 29-38 – <b>Weathered Glacial</b> – Light yellowish brown to light gray fine to medium grained sand, ~5% gravels, ~10% oxidation, firm to very firm, diffuse boundary 38-81 – <b>Weathered Glacial</b> – Gray fine to medium grained sandy loam to loamy sand, ~5% pebbles to gravels, 50-60% oxidation, moist 81-100 – <b>Weathered Glacial</b> – Brownish gray fine to medium grained sandy loam to loamy sand, 5-10% pebbles to gravels, 20-30% oxidation, wet  Water table at 86 cmbs.	None
592	EA 04	562740 m E 5331980 m N	0-35 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, semi-loose 35-65 – <b>Weathered Glacial</b> – Mottled mix of: light gray silty fine grained sand; dark gray coarse grained sand; and light gray sandy clay, all medium compact 65-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, compact  Inundation at 80 cmbs.	None
593	EA 03	562700 m E 5331980 m N	0-40 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, semi-loose 40-50 – <b>Weathered Glacial</b> – Light gray medium to coarse grained silty sand with oxidation, medium compact 50-100 – <b>Weathered Glacial</b> – Dark gray coarse grained sand, <5% rounded pebbles, medium compact  Inundation at 80 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
594	EA 02 (2)	562660 m E 5331980 m N	0-35 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, semi-loose 35-50 – <b>Weathered Glacial</b> – Light gray to gray medium to coarse grained sand, <5% rounded pebbles and gravels, semi-compact 50-100 – <b>Weathered Glacial</b> – Dark brownish gray coarse grained sand, ~10% rounded pebbles and gravels, medium loose  Inundation at 55 cmbs.	None
595	EA 01 (2)	562620 m E 5331980 m N	0-30 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, semi loose 30-40 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light brown coarse grained sandy silt, <5% rounded gravels, semi-compact 40-55 – <b>Weathered Glacial</b> – Dark reddish brown, very coarse grained sand with some silt, ~10% rounded gravels, very compact  Terminated at 55 cmbs due to severe compaction. Inundation at bottom of unit.	None
596	SL 128	562580 m E 5331980 m N	0-31 – <b>Plow zone</b> – Dark brown silt loam, saturated 31-45 – <b>Possible Wetland/Alluvial?</b> – Dark gray silt loam 45-63 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~5% gravels  Started auger at 45 cmbs. Groundwater at 45 cmbs.	None
597	SL 127	562540 m E 5331980 m N	0-30 – <b>Plow zone</b> – Dark brown silt loam, saturated 30-58 – <b>Possible Wetland/Alluvial deposit</b> – Dark gray mottled with yellowish brown silt loam  Started auger at 40 cmbs. Groundwater at 23 cmbs.	
598	SL 126	562500 m E 5331980 m N	0-63 – <b>Plow zone/Disturbed</b> – Likely dark brown silty loam  Groundwater at surface, profile estimated on removed soils. Started auger at 45 cmbs.	None
599	SL 125	562460 m E 5331980 m N	0-30 – <b>Plow zone</b> – Dark brown silt loam 30-47 – <b>Possible Wetland/Alluvial Deposits</b> – Dark brownish gray silt loam, saturated with water 47-65 – <b>Weathered Glacial</b> – Dark yellowish brown sandy loam  Started auger at 47 cmbs due to water. Groundwater at 47 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
600	BS 055	562460 m E 5331940 m N	0-43 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 43-80 – <b>Weathered Glacial</b> – Orange-ish-brown fine grained sandy clay, few gravels 80 – <b>Weathered Glacial</b> – Dark orange concentration  Terminated for compaction.	0-15 cmbs – Gray flake, 3x1.5 cm
600 E	BS 121	562465 m E 5331940 m N	0-34 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 34-57 – <b>Weathered Glacial</b> – Dark orangey brown sandy loam, few gravels 57~80 – <b>Weathered Glacial</b> – Dark orange concretion  Eastern delineation of 600/ BS 055. Started auger at 57 cmbs due to concretion.	None
600 N	SL 153 (2)	562460 m E 5331945 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam 32-46 – <b>Weathered Glacial</b> – Yellowish brown interbedded with dark gray sandy loam 46-93 – <b>Weathered Glacial</b> – Dark gray and yellowish-brown clay  Unit is northern delineation of 600/ BS 055.	None
600 S	SL 154 (2)	562460 m E 5331935 m N	0-39 – <b>Plow zone</b> – Dark brown silt loam 39-70 – <b>Possible Alluvial/Reworked Glacial</b> – Dark gray mottled with yellowish brown sandy loam, dense compaction at 70 cmbs 70~90 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam, dense compaction  Unit is southern delineation of 600/ BS 055. Started auger at ~70 cmbs due to dense compaction.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
600 W	JG 323	562455 m E 5331940 m N	<p>0-32 – <b>Plow zone</b> – Dark grayish brown fine grained sandy loam, few pebbles, moist, firm, some chunks of dark gray to gray fine grained sandy loam in lower 10 cm, moist, firm, clear boundary</p> <p>32-56 – <b>Possible Alluvial</b> – Dark gray to gray fine grained sandy loam, &lt;5% pebbles, wet, firm, clear boundary</p> <p>56~70 – <b>Weathered Glacial</b> – Light yellowish brown and strong brown medium to coarse grained sand to sandy loam, ~20% concretions of black to strong brown sand, wet, firm to very firm</p> <p>~70-100 – <b>Weathered Glacial</b> – Light yellowish brown and strong brown medium to coarse grained sand with clay to sandy clay loam, ~20% concretions of black to strong brown sand, sticky, wet, firm to very firm</p> <p>Unit is the Western delineation of 600/ BS 055. Started auger at ~78 cmbs due to concretions. Terminated due to rocks. Water table at ~80 cmbs.</p>	None
601	BS 056	562500 m E 5331940 m N	<p>0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm</p> <p>30-70 – <b>Weathered Glacial</b> – Orange-ish-brown fine grained sandy clay, few gravels</p> <p>70 – <b>Weathered Glacial</b> – Dark orange concentration</p>	None
602	BS 057	562540 m E 5331940 m N	<p>0-29 – <b>Plow zone</b> – Dark brown loam, few gravels, firm</p> <p>29-77 – <b>Weathered Glacial</b> – Light brownish-gray loamy sand, ~50% rounded gravels</p> <p>77-97 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels</p>	None
603	BS 058	562580 m E 5331940 m N	<p>0-32 – <b>Plow zone</b> – Dark brown loam, few gravels, firm</p> <p>32-85 – <b>Weathered Glacial</b> – Light brownish-gray loamy sand, ~50% rounded gravels</p> <p>85-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels</p>	None
604	BS 059	562620 m E 5331940 m N	<p>0-26 – <b>Plow zone</b> – Dark brown loam, few gravels, firm</p> <p>26-81 – <b>Weathered Glacial</b> – Light orange-ish-brown loamy clay, ~10% gravels, rounded to angular</p> <p>81-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels</p>	None
605	BS 060	562660 m E 5331940 m N	<p>0-34 – <b>Plow zone</b> – Dark brown loam, few gravels, firm</p> <p>34-85 – <b>Weathered Glacial</b> – Light orange-ish-brown loamy clay, ~10% gravels, rounded to angular</p> <p>85-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels</p>	0-20 cmbs – 2 shards Terracotta, 2.2 x 2 cm and 6 x 2 cm



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
606	BS 061	562700 m E 5331940 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 30-85 – <b>Weathered Glacial</b> – Light blueish gray very fine grained sandy clay, no gravels 85-100 – <b>Weathered Glacial</b> – Dark brownish-gray medium grained sand, few gravels  Water table at 75 cmbs.	None
607	BS 062	562740 m E 5331940 m N	0-40 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 40-80 – <b>Weathered Glacial</b> – Light blueish gray very fine grained sandy clay, no gravels 80-100 – <b>Weathered Glacial</b> – Dark brownish-gray medium grained sand, few gravels  Water table at 90 cmbs.	None
608	BS 001	562780 m E 5331940 m N	0-34 – <b>Plow zone</b> – Dark brown loam, few gravels, slightly firm 34-80 – <b>Weathered Alluvial/Reworked Glacial?</b> – Mottled light brown – light gray fine to medium grained sandy loam, 10% gravels near top, 20% gravels near bottom, firm to very firm compaction 34-44 – <b>Weathered Glacial</b> – Pocket of orange-ish brown very coarse grained loam, very firm 80-100 – <b>Weathered Glacial</b> – Light gray to light brown very coarse grained loamy sand  Water table at 93 cmbs.	None
609	BS 002	562820 m E 5331940 m N	0-37 – <b>Plow zone</b> – Dark brown loam, few gravels, slightly firm 37-70 – <b>Weathered Glacial</b> – Orang-ish-brown very coarse grained loam, 20% gravels near top, 30% gravels near bottom, very firm 70-100 – <b>Weathered Glacial</b> – Dark blue - Gray medium grained loamy sand with few rounded gravels, firm	None
610	BS 003	562860 m E 5331940 m N	0-29 – <b>Plow zone</b> – Dark brown loam, few gravels, slightly firm 29-51 – <b>Weathered Glacial</b> – Light grayish to brown medium grained loamy sand, <10% gravels, somewhat loose 51-92 – <b>Weathered Glacial</b> – Orange-ish brown very coarse grained loam, 10% gravels, very firm 92 – <b>Weathered Glacial</b> – Dark gray medium grained loamy sand, very compacted	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
611	BS 004	562900 m E 5331940 m N	0-32 – <b>Plow zone</b> – Dark brown loam, few gravels, slightly firm 32-40 – <b>Weathered Glacial</b> – Light grayish brown medium grained loamy sand, ~40% gravels, loose 40-48 – <b>Weathered Glacial</b> – Light gray fine grained sand, ~30% gravels, loose 48-92 – <b>Weathered Glacial</b> – Orange-ish brown very coarse grained loam, ~20% gravels, firm 92-106 – <b>Weathered Glacial</b> – Dark gray medium grained loamy sand, slightly firm  Water table at 104 cmbs.	None
612	SL 083	562940 m E 5331940 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-40 – <b>Alluvial?</b> – Dark gray sandy loam 40-110 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels	0-28 cmbs – white electrical wire insulator
613	SL 082	562980 m E 5331940 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-69 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels 69-101 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels, ~10% pebbles	None
614	SL 081	563020 m E 5331940 m N	0-26 – <b>Plow zone</b> – Very dark brown silt loam 26-75 – <b>Weathered Alluvial/Reworked Glacial?</b> – Brown with yellowish brown silt loam, sticky 75-100 – <b>Weathered Glacial</b> – Brown-yellowish brown silt loam, ~10% gravels, ~10% pebbles	None
615	SL 080	563060 m E 5331940 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-98 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray clay, ~10% gravels, ~5% pebbles	None
616	SL 079	563100 m E 5331940 m N	0-25 – <b>Plow zone</b> – Very dark brown silt loam 25-56 – <b>Alluvial?</b> – Dark gray sandy loam (Alluvial?) 56-88 – <b>Weathered Glacial</b> – Dark grayish brown loam (outwash?) 88-98 – <b>Weathered Glacial</b> – Yellowish brown clay	None
617	SL 084	563060 m E 5331900 m N	0-27 – <b>Plow zone</b> – Very dark brown silt loam 27-43 – <b>Weathered Alluvial</b> – Mottled gray and yellowish brown sandy loam 43-50 – <b>Possible wetland deposit</b> – Light brown clay 50-60 – <b>Weathered Glacial</b> – Dark gray sandy loam 60-79 – <b>Weathered Glacial</b> – Blue silty loam, compact (bright blue, not redox blue) 79-99 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, ~10% gravels  Interesting profile with intact stratigraphy.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
618	SL 085	563020 m E 5331900 m N	0-38 – <b>Plow zone</b> – Very dark brown silty loam 38-44 – <b>Weathered Glacial</b> – Yellowish brown sandy loam 44-76 – <b>Weathered Glacial</b> – Gray mottled with yellowish brown sandy loam 76-101 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown loam	None
619	SL 086	562980 m E 5331900 m N	0-33 – <b>Plow zone</b> – Very dark brown silt loam 33-39 – <b>Weathered Glacial</b> – Dark gray sandy loam 39-60 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~20% gravels, ~5% pebbles, very compact, like concrete  Terminated due to compaction.	None
620	SL 087	562940 m E 5331900 m N	0-30 – <b>Plow zone</b> – Very dark brown silty loam 30-69 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels, ~10% pebbles, very compact 69-100 – <b>Weathered Glacial</b> – Bright blue sandy loam, compact	None
621	SL 088	562901 m E 5331900 m N	0-34 – <b>Plow zone</b> – Very dark brown silty loam 34-41 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~10% gravels 41-98 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels, ~1% pebbles  Groundwater at 95 cmbs.	None
622	SL 089	562860 m E 5331900 m N	0-27 – <b>Plow zone</b> – Very dark brown silt loam 27-46 – <b>Weathered Glacial</b> – Dark gray sandy loam 46-100 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels  Groundwater at 83 cmbs.	None
623	SL 090	562820 m E 5331900 m N	0-29 – <b>Plow zone</b> – Very dark brown silty loam 29-40 – <b>Weathered Glacial</b> – Mottled yellowish brown and dark gray sandy loam, densely compact  Terminated due to compaction.	None
624	SL 091	562780 m E 5331900 m N	0-30 – <b>Plow zone</b> – Very dark brown silty loam 30-49 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, very densely compacted	None
625	SL 092	562740 m E 5331900 m N	0-36 – <b>Plow zone</b> – Very dark brown silt loam 36-74 – <b>Alluvial?</b> – Dark brown sandy loam (Alluvial? Outwash?) 74-99 – <b>Weathered Glacial?</b> – Dark gray sandy loam, ~10% gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
626	EA 05	562702 m E 5331900 m N	0~20 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, semi-compact ~20-55 – <b>Weathered Glacial</b> – Mottled mix of: light gray silty fine grained sand; dark gray coarse grained sand; light gray sandy clay, all compact  Terminated at 55 due to heavy inundation. Inundated at surface.	None
627	EA 06	562660 m E 5331900 m N	0-25 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, medium compact 25-35 – <b>Weathered Glacial</b> – Light grayish brown medium fine grained sand, some oxidation 35-37 – <b>Weathered Glacial</b> – Black sandy layer, very compact 37-55 – <b>Weathered Glacial</b> – Reddish brown very compact sand  Terminated at 55 cmbs due to compaction.	None
628	EA 07	562620 m E 5331900 m N	0-35 – <b>Plow zone</b> – Dark brown slightly silty sand, rootlets at surface, semi-compact 35-40 – <b>Alluvial?</b> – Light brown silty sand, semi-compact 40-55 – <b>Weathered Glacial</b> – Dark reddish brown very coarse grained sand with some silt, very compact  Started auger at 20 cmbs. Terminated at 55 cmbs due to compaction. Inundation at surface.	None
629	EA 08	562580 m E 5331900 m N	0-25 – <b>Plow zone</b> – Dark brown slightly silty sand, rootlets at surface, semi-compact 25-45 – <b>Alluvial?</b> – Light brown silty sand, lots of oxidation, semi-compact 45-65 – <b>Weathered Glacial</b> – Dark reddish brown sand with some silt, very compact  Terminated at 55 cmbs due to compaction.	None
630	EA 09	562540 m E 5331900 m N	0-25 – <b>Plow zone</b> – Dark brown slightly silty sand, rootlets at surface, semi-compact 25-45 – <b>Possible Wetland/Alluvial Deposit</b> – Light brown silty sand, semi-compact 45-55 – <b>Weathered Glacial</b> – Dark reddish brown very coarse grained sand with some silt, very compact  Terminated at 55 due to compaction. Inundation at 50 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
631	EA 10	562500 m E 5331900 m N	0-25 – <b>Plow zone</b> – Dark brown slightly sandy silt, with rootlets at the surface, medium compact 25-65 – <b>Weathered Glacial</b> – Dark reddish brown very coarse grained sand, compact with compaction increasing with depth  Terminated at 65 cmbs due to compaction. Inundation at 30 cmbs.	None
632	EA 11	562460 m E 5331900 m N	0-35 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, compact 35-45 – <b>Weathered Glacial</b> – Light brown coarse grained sand, medium compact 45-65 – <b>Weathered Glacial</b> – Dark reddish brown very coarse grained sand, very compact  Terminated at 65 cmbs due to compaction. Inundation at 60 cmbs.	None
633	EA 12	562420 m E 5331900 m N	0-15 – <b>Plow zone</b> – Dark brown slightly sandy silt, <5% rounded gravels, compact 15-25 – <b>Weathered Glacial?</b> – Gray sandy clay, medium compact 25-70 – <b>Weathered Glacial</b> – Gray coarse grained sand with a lot of oxidation, medium compaction 70-100 – <b>Weathered Glacial</b> – Blue-gray very coarse grained sand, medium compaction	0-15 cmbs – 1 large piece of concrete
634	JG 281	562420 m E 5331860 m N	0-26 – <b>Plow zone</b> – Brown to grayish brown silt loam, ~10% oxidation/mottling, moist, firm 26-36 – <b>Weathered Glacial</b> – Light yellowish brown to light olive brown fine grained sandy clay loam, ~20% oxidation/mottling, firm to very firm 36-60 – <b>Weathered Glacial</b> – Gray and strong brown sandy loam with few concreted black sands, ~10% pebbles to gravels, moist, firm to very firm 60-110 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, ~10% pebbles to gravels, wet  Started auger ~65 cmbs due to water. Water table at ~55 cmbs.	None
635	JG 280	562460 m E 5331860 m N	0-28 – <b>Plow zone</b> – Brown to grayish brown silt loam, ~10% oxidation/mottling, moist, firm 28-47 – <b>Weathered Glacial</b> – Light yellowish brown to light gray fine grained sandy loam, ~20% oxidation/mottling, firm to very firm 47-60 – <b>Weathered Glacial</b> – Yellowish brown and strong brown sandy loam with concreted black sands, ~10% pebbles to gravels, moist, firm to very firm  Terminated due to compaction.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
636	JG 279	562500 m E 5331860 m N	0-20 – <b>Plow zone</b> – Brown to grayish brown silt loam, ~10% oxidation/mottling, moist, firm 20-40 – <b>Weathered Glacial</b> – Light yellowish brown to light gray fine grained sandy loam, ~20% oxidation/mottling, firm to very firm 40-52 – <b>Weathered Glacial</b> – Gray and strong brown sandy loam with concreted black sands, 10-20% pebbles to gravels, moist, very firm to hard  Terminated on compacted surface.	None
637	JG 278	562540 m E 5331860 m N	0-22 – <b>Plow zone</b> – Brown to grayish brown silt loam, ~10% oxidation/mottling, moist, firm 22-40 – <b>Weathered Glacial</b> – Light yellowish brown to light olive brown fine grained sandy clay loam, ~20% oxidation/mottling, firm to very firm 40-50 – <b>Weathered Glacial</b> – Gray and strong brown sandy loam with concreted black sands, ~10% pebbles to gravels, moist, firm to very firm 50-59 – <b>Weathered Glacial</b> – Light yellowish brown to light olive brown fine grained sandy clay loam, ~20% oxidation/mottling, firm to very firm 59-70 – <b>Weathered Glacial</b> – Strong brown and gray fine grained sandy loam, 5-10% gravels and concreted sediments, very firm to hard  Terminated due to compaction. Water table at base but likely flowing from ~20 cmbs to eventually fill the unit.	~25 cmbs on north side of unit – charcoal lens, possibly a burned root?
638	JG 277	562580 m E 5331860 m N	0-27 – <b>Plow zone</b> – Dark grayish brown loam, ~5% gravels, moist to wet, firm 27-40 – <b>Weathered Glacial</b> – Light gray to gray medium grained loamy sand, ~10% gravels, wet, firm 40-80 – <b>Weathered Glacial</b> – Strong brown and yellowish brown medium to coarse grained sandy loam to loamy sand, ~10-20% gravels 80-90 – <b>Weathered Glacial</b> – Light gray to brownish gray fine to medium grained sandy clay loam to sandy loam, ~5% pebbles to gravels, 30-40% oxidation, wet 90-100 – <b>Weathered Glacial</b> – Brownish gray to grayish brown medium to coarse grained sand to loamy sand, ~10% gravels, some oxidation, wet  Started auger at 55 cmbs due to the water table. Terminated due to rocks. Water table at ~50 cmbs but flowing from ~40 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
639	JG 276	562620 m E 5331860 m N	0-36 – <b>Plow zone</b> – Dark grayish brown loam, ~5% gravels, moist to wet, firm 36~70 – <b>Weathered Glacial</b> – Light gray to gray medium grained loamy sand, ~10% gravels, wet, firm ~70-90 – <b>Weathered Glacial</b> – Strong brown and yellowish brown medium to coarse grained sandy loam to loamy sand, ~10-20% gravels  Started auger ~50 cmbs due to water. Terminated on rock/hardened materials. Water table at ~40 cmbs, flowing from ~30 cmbs.	None
640	JG 275	562660 m E 5331860 m N	0-25 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm 25-60 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray fine to medium grained loamy sand to sandy loam, 5-10% pebbles to small gravels, 40-50% oxidation, wet, firm 60~90 – <b>Weathered Glacial</b> – Yellowish brown medium to coarse grained sandy loam to sandy clay loam, sticky but friable, 10-20% gravels, 50-60% oxidation, wet, firm, gradual change to ~90~110 – <b>Weathered Glacial</b> – Brownish gray medium to coarse grained sandy clay loam, 10-20% gravels, subangular to rounded, 50-60% oxidation, wet, very firm  Water table at ~60 cmbs, flowing from ~50 cmbs.	None
641	JG 274	562700 m E 5331860 m N	0-31 – <b>Plow zone</b> – Brown to dark brown loam, no gravels, moist to wet, firm 31-48 – <b>Weathered Alluvial/Reworked Glacial?</b> – Gray fine to medium grained loamy sand to sandy loam, ~1% pebbles, 40-50% oxidation, wet, firm 48-90 – <b>Weathered Glacial</b> – Yellowish brown medium grained sandy loam to sandy clay loam, sticky but friable, 50-60% oxidation, wet, firm 90-110 – <b>Weathered Glacial</b> – Gray medium grained with coarse grains sandy loam to sandy clay loam with decreasing clay/loam content with depth and oxidation decreasing from 30% to 10% with depth  Started auger at ~70 cmbs due to water table and sloppy soils. Water table at ~70 cmbs but flowing from ~40 cmbs.	None
642	BS 012	562740 m E 5331860 m N	0-38 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 38-105 – <b>Weathered Glacial</b> – Light grayish brown medium to fine grained loamy sand, <10% rounded gravels, slightly firm  Water table at 102 cmbs.	None
643	BS 011	562780 m E 5331860 m N	0-28 – <b>Plow zone</b> – Dark brown loam, ~10% gravels, firm 28-30 – <b>Weathered Glacial</b> – Reddish brown concretions, impassable	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
644	BS 010	562820 m E 5331860 m N	0-32 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 32-100 – <b>Weathered Glacial</b> – Light brownish gray fine grained sand, few gravels  Water table at 82 cmbs.	None
645	BS 009	562860 m E 5331860 m N	0-37 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 37-56 – <b>Alluvial?</b> – Grayish brown sandy loam, few gravels, firm 56-100 – <b>Weathered Glacial</b> – Orange-ish brown medium-coarse grained loamy sand, few gravels, firm	None
646	BS 008	562900 m E 5331860 m N	0-27 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 27-80 – <b>Weathered Glacial</b> – Mottled orange and grayish-brown fine grained sandy loam, ~10% rounded gravels, very firm 80-100 – <b>Weathered Glacial</b> – Blueish gray fine grained sand, no gravels  Water table at 84 cmbs.	None
647	BS 007	562940 m E 5331860 m N	0-28 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 28-46 – <b>Weathered Glacial?</b> – Brownish orange sandy loam, ~20% rounded gravels, compact 46-107 – <b>Weathered Glacial</b> – Light brownish gray fine grained loamy sand  Water table at 101 cmbs.	None
648	BS 006	562980 m E 5331860 m N	0-31 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 31-78 – <b>Alluvial?</b> – Grayish brown medium grained sand, few gravels 78-97 – <b>Weathered Glacial?</b> – Grayish brown fine grained silty sand, no gravels	None
649	BS 005	563020 m E 5331860 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, slightly firm 30-70 – <b>Alluvial?</b> – Grayish brown fine grained sand, few gravels, firm 70-96 – <b>Weathered Glacial</b> – Gray fine grained sand, somewhat loose  Water table at 96 cmbs.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
650	JG 224	563020 m E 5331820 m N	0-29 – <b>Plow zone</b> – Dark grayish brown silty loam, no gravels, firm, damp 29-43 – <b>Weathered Alluvial?</b> – Light brownish gray fine grained sand to loamy sand, no gravels, firm to very firm 43-64 – <b>Weathered Alluvial?</b> – Light gray fine grained sand to loamy sand, no gravels, firm to very firm 64-86 – <b>Weathered Glacial</b> – Gray to brownish gray medium to coarse grained sand, 10-20% pebbles to gravels, subangular to rounded, ~20% oxidation, firm 86-100 – <b>Weathered Glacial</b> – Strong brown coarse grained sandy loam to sandy clay loam, 10-20% gravels, wet 100-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, some pebbles and gravels, wet  Water table at 90 cmbs.	None
651	JG 225	562980 m E 5331820 m N	0-29 – <b>Plow zone</b> – Brown to grayish brown loam, no gravels, slightly firm 29-64 – <b>Weathered Alluvial?</b> – Light gray fine to very fine grained loamy sand, no gravels, slightly firm to firm 64-77 – <b>Weathered Glacial</b> – Light gray and light brown medium to coarse grained sand, 5-10% pebbles to small gravels, subangular to rounded, slightly firm to firm 77-102 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, some pockets/lenses of light gray and light brown medium to coarse grained sand, 5-10% pebbles to small gravels	None
652	JG 226	562940 m E 5331820 m N	0-33 – <b>Plow zone</b> – Dark brown loam, no gravels, firm 33-55 – <b>Weathered Alluvial?</b> – Light gray fine to very fine grained loamy sand changing to gray ~46 cmbs due to increased moisture, no gravels, slightly firm to firm 55-87 – <b>Weathered Glacial</b> – Gray and strong brown coarse grained sandy loam, slightly sticky, ~5% pebbles, firm 87-100 – <b>Weathered Glacial</b> – Gray to light gray medium grained loam sand with coarse grains present, ~5% pebbles to gravels, wet, firm  Water table at base.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
653	JG 227	562900 m E 5331820 m N	<p>0-32 – <b>Plow zone</b> – Dark grayish brown loam, ~5% pebbles to gravels, firm</p> <p>32-68 – <b>Weathered Glacial</b> – Light brown with gray and strong brown medium to coarse grained sandy loam to loamy sand, ~10% pebbles to gravels, firm to very firm</p> <p>68-80 – <b>Weathered Glacial</b> – Gray medium grained sand to loamy sand, 5-10% pebbles to gravels, subangular to rounded, some brownish gray to grayish brown mottling</p> <p>80-90 – <b>Weathered Glacial</b> – Strong brown medium to coarse grained sand, wet</p> <p>90-117 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, wet</p> <p>Started auger at 87 due to water table. Terminated in glacial. Perched water table at ~50 cmbs leaking into unit.</p>	None
654	JG 228	562860 m E 5331820 m N	<p>0-30 – <b>Plow zone</b> – Dark brown loam, ~5% pebbles to gravels, firm</p> <p>30-40 – <b>Weathered Glacial</b> – Light gray and light brown medium grained sand, with fine and coarse grains present</p> <p>40+ – <b>Weathered Glacial</b> – Strong brown and black concreted (sandy?) layer</p> <p>Terminated due to compaction.</p>	None
655	JG 229	562820 m E 5331820 m N	<p>0-30 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm to slightly firm</p> <p>30-44 – <b>Alluvial?</b> – Light gray to gray fine to very fine grained sand to loamy sand, no gravels, moist, firm to slightly firm</p> <p>44-50 – <b>Possible Alluvial/Wetland Deposit</b> – Brown silt loam with strong brown streak on lower boundary, no gravels, slightly firm to firm</p> <p>50-64 – <b>Weathered Glacial</b> – Dark gray silt loam, no gravels, very firm</p> <p>64-100 – <b>Weathered Glacial</b> – Light brownish gray medium to coarse grained loamy sand to sandy loam, 10-20% light yellowish brown and strong brown mottling, ~10% pebbles to gravels</p> <p>Water table at 90 cmbs.</p>	5 cmbs – orange twine strand

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
656	JG 230	562780 m E 5331820 m N	<p>0-32 – <b>Plow zone</b> – Dark grayish brown loam, 5-10% pebbles to gravels, subangular to rounded, firm</p> <p>32-50 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light yellowish brown fine to medium grained sandy loam, ~10% gravels, subangular to rounded, 20-30% oxidation, moist, firm</p> <p>50-90 – <b>Weathered Glacial</b> – Yellowish brown medium grained sandy clay loam, ~10% gravels, subangular to rounded, 60-70% strong brown oxidation, sticky, moist to wet, firm</p> <p>90-112 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to gravels</p> <p>Started auger at 75 cmbs due to high water tables. Terminated in glacial. Water table at 68 cmbs.</p>	None
657	JG 231	562740 m E 5331820 m N	<p>0-33 – <b>Plow zone</b> – Dark brown loam, ~5% pebbles to gravels, subangular to rounded, firm</p> <p>33-66 – <b>Weathered Glacial</b> – Light gray fine to medium grained sandy loam, ~5% pebbles to gravels, ~10% oxidation, firm to very firm</p> <p>66-90 – <b>Weathered Glacial</b> – Gray fine to medium grained sand to loamy sand, ~1% pebbles to gravels, 10-20% oxidation, moist to wet, very firm</p> <p>90-100 – <b>Unweathered Glacial</b> – Gray medium grained sand, ~1% pebbles, wet</p> <p>Water table at 89 cmbs.</p>	None
658	BS 063	562700 m E 5331820 m N	<p>0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm</p> <p>35-65 – <b>Weathered Glacial</b> – Grayish brown medium grained sand, ~10% small rounded gravels</p> <p>65-100 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, ~20% rounded gravels</p>	None
659	BS 064	562662 m E 5331820 m N	<p>0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm</p> <p>35-87 – <b>Alluvial?</b> – Light grayish-brown fine grained sandy loam, ~10% small rounded gravels</p> <p>87-100 – <b>Unweathered Glacial</b> – Gray medium grained sand, ~20% gravels</p> <p>Water table at 90 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
660	BS 065	562624 m E 5331820 m N	0-22 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 22-43 – <b>Alluvial?</b> – Light grayish-brown fine grained sandy loam, ~10% small rounded gravels 43-95 – <b>Weathered Glacial</b> – Light brownish orange clayey loam, few gravels 95-100 – <b>Unweathered Glacial</b> – Gray medium grained sand, few gravels  Water table at 90 cmbs.	None
661	BS 066	562586 m E 5331820 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 30-36 – <b>Alluvial?</b> – Light grayish-brown fine grained sandy loam, ~10% small rounded gravels 36-60 – <b>Weathered Glacial</b> – Light brownish orange clayey loam, few gravels ~60 – <b>Weathered Glacial</b> – Dark orange clay concretion  Terminated due to concretions. Water table at 60 cmbs.	None
662	BS 067	562548 m E 5331820 m N	0-25 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 25-80 – <b>Alluvial?</b> – Light grayish-brown fine grained sandy loam, ~10% small rounded gravels 80-100 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels  Water table at 60 cmbs.	None
663	BS 068	562510 m E 5331820 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 35-65 – <b>Possible Wetland Deposit</b> – Light blueish gray very fine grained sand, few gravels 65-70 – <b>Possible Wetland Deposit</b> – White very fine ashy sand 70-100 – <b>Weathered Glacial</b> – Brownish orange loamy clay  Water table at 90 cmbs.	None
664	BS 069	562460 m E 5331820 m N	0-32 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 32-87 – <b>Weathered Glacial</b> – Light brownish gray sandy loam mottled with orangey brown clay loam, few gravels 87-100 – <b>Weathered Glacial</b> – Bluish black medium sand	None
665	BS 070	562420 m E 5331820 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 36-102 – <b>Weathered Glacial</b> – Light brownish gray sandy loam mottled with orangey brown clay loam, few gravels  Water table at ~94 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
666	BS 071	562380 m E 5331820 m N	0-27 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 27-95 – <b>Weathered Glacial</b> – Light brownish gray sandy loam mottled with orangey brown clay loam, few gravels 95-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% fine rounded gravels  Water table at ~93 cmbs.	None
667	EA 13	562380 m E 5331780 m N	0-25 – <b>Plow zone</b> – Dark brown slightly sandy silt, ~20% pebbles and gravels, rounded to subrounded, rootlets at surface, compact 25-105 – <b>Weathered Glacial</b> – Gray coarse grained sand, ~30% pebbles and gravels, rounded to subrounded, compact  Inundation at 80 cmbs.	None
668	EA 14	562420 m E 5331780 m N	0-25 – <b>Plow zone</b> – Dark brown silt, 30-40% gravels and pebbles, rounded to subangular, rootlets at surface, compact 25-105 – <b>Weathered Glacial</b> – Reddish brown very coarse grained sand, 40-50% pebbles and gravels, rounded to subangular, compact  Started auger at 70 cmbs.	None
669	EA 15	562460 m E 5331780 m N	0-35 – <b>Plow zone</b> – Dark brown silt, 20-30% pebbles and gravels, rounded to subrounded, rootlets at surface, compact 35-80 – <b>Weathered Glacial</b> – Reddish brown very coarse grained sand, 50-60% pebbles and gravels, rounded to subangular, gravels increasing with depth, compact  Started auger at 70 cmbs. Terminated at 80 cmbs due to heavy gravel compaction. Inundated at 65 cmbs.	None
670	EA 16	562500 m E 5331780 m N	0-30 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, compact 30-70 – <b>Weathered Glacial</b> – Dark reddish brown very coarse grained sand, ~30% gravels, rounded to subangular, very compact 70-100 – <b>Weathered Glacial</b> – Very dark blue sand/clay with increasing sand content with depth  Started auger at 70 cmbs. Inundated at 50 cmbs.	None
671	EA 17	562540 m E 5331780 m N	0-35 – <b>Plow zone</b> – Dark brown slightly sandy silt, rootlets at surface, compact 35-70 – <b>Weathered Glacial</b> – Light brown medium coarse grained sand, some oxidation, compact 70-100 – <b>Weathered Glacial</b> – Light blue gray very coarse grained sand, medium loose  Started auger at 70 cmbs. Inundated at 60 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
672	EA 018	562580 m E 5331780 m N	0-20 – <b>Plow zone</b> – Dark brown sandy silt, <1% round gravel, medium compaction, rootlets at surface 20-65 – <b>Weathered Glacial</b> – Gray medium to fine sand, 10% rounded gravels and pebbles, oxidation, medium to loose compaction 65~110 – <b>Weathered Glacial</b> – Gray coarse sand, medium to loose compaction  Started auger at ~70 cmbs due to ground water. Water table at ~50 cmbs.	None
673	EA 019	562620 m E 5331780 m N	0-25 – <b>Plow zone</b> – Dark brown sandy silt, <5% round gravel, medium compaction, rootlets at surface 25-80 – <b>Weathered Glacial</b> – Gray medium to fine sand, 10% rounded gravels and pebbles, oxidation, medium to loose compaction 80-100 – <b>Weathered Glacial</b> – Gray medium to coarse sand, loose compaction, some decaying organic matter	None
674	EA 020	562660 m E 5331780 m N	0-25 – <b>Plow zone</b> Dark brown silt, <1% round gravel, medium compaction, rootlets at surface 25-70 – <b>Weathered Glacial</b> – Gray medium to coarse sand, <5% rounded gravels, massive oxidation, compact 70~100 – <b>Weathered Glacial</b> – Reddish brown mottled with gray clay  Started auger at ~70 cmbs due to ground water. Water table at ~35 cmbs.	None
675	EA 021	562700 m E 5331780 m N	0-20 – <b>Plow zone</b> – Dark brown silt, semi compact, rootlets at surface 20~100 – <b>Weathered Glacial</b> – Gray coarse sand, <5% rounded pebbles  Started auger at ~70 cmbs due to ground water. Water table at ~40 cmbs.	None
676	SL 093	562740 m E 5331780 m N	0-24 – <b>Plow zone</b> – Dark brown silt loam 24-43 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~1% gravels 43-99 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravels, ~10% pebbles	None
677	SL 094	562780 m E 5331780 m N	0-24 – <b>Plow zone</b> – Dark brown silty loam 24-101 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark brown, ~10% gravels, ~10% pebbles (outwash?)  Groundwater at 90 cmbs. (Near ruins of farmhouse)	~20 cmbs – Mammal bone fragment, 4.5 x 2.8 x 1.7 cm
678	SL 095	562820 m E 5331780 m N	0-36 – <b>Plow zone</b> – Dark brown silt loam 36-100 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray sandy loam, ~10% gravels, ~10% pebbles	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
679	SL 096	562860 m E 5331780 m N	0-32 – <b>Plow zone</b> – Dark brown silt loam 32-73 – <b>Weathered Glacial</b> – Dark gray sandy loam 73-99 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~30% gravels	None
680	SL 097	562900 m E 5331780 m N	0-31 – <b>Plow zone</b> – Dark brown silt loam 31-43 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark gray silt loam mottled with yellowish brown 43 – <b>Weathered Glacial</b> – brown sandy loam, ~5% gravel	None
681	SL 098	562940 m E 5331780 m N	0-29 – <b>Plow zone</b> – Dark brown silt loam 29-71 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark gray mottled with yellowish brown sandy loam, ~10% gravels 71-97 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, ~10% gravel  Groundwater at 95 cmbs.	None
682	SL 099	562980 m E 5331780 m N	0-30 – <b>Plow zone</b> – Dark brown silt loam 30-99 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~10% gravels	5 cmbs – Mammal bone fragment, cylindrical, 9 cm long x 3.2 cm diameter
683	BS 019	562980 m E 5331740 m N	0-31 – <b>Plow zone</b> – Dark brown loam, ~10% gravels, firm 31-87 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light grayish brown medium to fine grained sandy loam, few gravels, firm 87-100 – <b>Weathered Glacial</b> – Light brownish gray medium grained loamy sand, few gravels, firm	None
684	BS 018	562940 m E 5331740 m N	0-28 – <b>Plow zone</b> – Dark brown loam, ~10% gravels, firm 28-82 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light grayish brown medium to fine grained sandy loam, few gravels, firm 82-100 – <b>Weathered Glacial</b> – Light brownish gray medium grained loamy sand, few gravels, firm	None
685	BS 017	562900 m E 5331740 m N	0-34 0-34 – <b>Plow zone</b> – Dark brown loam, ~20% rounded gravels, firm 34-84 – <b>Weathered Glacial</b> – Light brownish gray fine grained sandy loam, ~10% rounded gravels 84-104 – <b>Weathered Glacial</b> – Gray medium grained loamy sand, few gravels  Water table at 99 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
686	BS 016	562860 m E 5331740 m N	0-29 0-34 – <b>Plow zone/ Import</b> – Dark brown loam, ~50% rounded gravels, firm 29-89 – <b>Weathered Glacial</b> – Light brownish – gray fine grained sandy loam, ~20% rounded gravels, firm 89-100 – <b>Weathered Glacial</b> – Gray medium grained loamy sand, few gravels, firm  Water table at 95 cmbs.	None
687	BS 015	562820 m E 5331740 m N	0-34 – <b>Plow zone/ Import</b> – Dark brown loam, ~60% gravels, rounded to angular, very firm to compacted 34-77 – <b>Weathered Glacial?</b> – Light brownish gray fine grained sandy loam, ~20% rounded gravels, firm 77-100 – <b>Weathered Glacial</b> – Gray medium grained loamy sand, few gravels, firm  Water table at 96 cmbs.	0-15 cmbs – 6 shards of window pane glass, 1 shard curved aqua glass, 1 cut rib bone 9 x 2 cm, 1 ferrous object 14 x 2.5 cm
688	BS 014	562780 m E 5331740 m N	0-20 – <b>Plow zone/ Import</b> – Dark brown loam, ~70% gravels, rounded to angular, very firm to compacted 20-68 – <b>Weathered Glacial?</b> – Very light brownish gray loamy sand with light gray silty pedons, few gravels, firm 68-80 – <b>Weathered Glacial</b> – Mottled orange and brown fine grained sandy loam, few gravels, firm 80 – <b>Weathered Glacial</b> – Orange-brown concretions	0-15 cmbs – Possible long bone fragments, 6 x 2.5 cm and 5 x 2.5 cm; white glazed ceramic sherd 1 x 1 cm
689	BS 013	562740 m E 5331740 m N	0-64 – <b>Alluvial/Topsoil</b> – Dark brown loam, few gravels, firm, very wet  ~10 m east of ditch (Edgecomb Creek). Water table at 51 cmbs. (Terminated due to water table.)	None
690	JG 290	562700 m E 5331740 m N	0-29 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm 29-39 – <b>Weathered Glacial</b> – Light gray fine to medium grained loamy sand, <10% pebbles to gravels, 30-40% oxidation, firm to very firm, gradual change to 39-50 – <b>Weathered Glacial</b> – Strong brown and black medium to coarse grained sandy loam to loamy sand, ~20% gravels, very firm  Terminated on compacted surface, likely a concretion of sands.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
691	JG 289	562660 m E 5331740 m N	0-30 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm 30-60 – <b>Weathered Glacial</b> – Light gray to light yellowish brown fine grained loamy sand, no gravels, 20-30% oxidation, firm to very firm 60-95 – <b>Weathered Glacial</b> – Gray fine grained loamy sand with medium grains, no gravels, wet to saturated, firm  Terminated in glacial/due to water and suction. Water table at ~78 cmbs but flowing from upper sediments slowly.	None
692	JG 288	562620 m E 5331740 m N	0-40 – <b>Plow zone</b> – Brown loam to silt loam, few pebbles, moist to wet, firm 40-70 – <b>Weathered Glacial</b> – Light gray to light yellowish brown fine to medium grained loamy sand to sandy loam, ~10% pebbles, 30-40% oxidation, wet, firm 70-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 5-10% pebbles, ~10% oxidation, wet to saturated, firm  Started auger at ~43 cmbs due to water. Terminated at ~100 cmbs in glacial. Water table at ~39 cmbs but seeping from topsoil.	None
693	JG 287	562580 m E 5331740 m N	0-26 – <b>Plow zone</b> – Brown loam to silt loam, few pebbles, moist to wet, firm 26-50 – <b>Weathered Glacial</b> – Light gray fine to medium grained loamy sand, <10% pebbles to gravels, 30-40% oxidation, firm to very firm 50~85 – <b>Weathered Glacial</b> – Gray medium to coarse grained loamy sand to sand, no gravels, wet, very firm ~85-105 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, 10-20% pebbles, saturated  Started auger at 75 cmbs due to water. Terminated at 100 cmbs in intact glacial. Water table at ~55 cmbs.	None
694	JG 286	562540 m E 5331740 m N	0-31 – <b>Plow zone</b> – Brown loam to silt loam, few pebbles, moist to wet, firm 31~50 – <b>Weathered Glacial</b> – Light gray fine to medium grained loamy sand, <10% pebbles to gravels, 30-40% oxidation, firm to very firm ~50~70 – <b>Weathered Glacial</b> – Gray medium to coarse grained loamy sand to sand, no gravels, wet, slightly firm ~70-101 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, 10-20% pebbles, saturated  Started auger at 45 cmbs due to water. Terminated at 100 cmbs in intact glacial. Water table at ~32 cmbs but seeping from topsoil.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
695	JG 285	562500 m E 5331740 m N	<p>0-37 – <b>Plow zone</b> – Brown loam to silt loam, few pebbles, moist to wet, firm</p> <p>13-28 – <b>Weathered Glacial</b> – Gray medium to coarse grained loamy sand to sand, no gravels, wet, slightly firm</p> <p>28-50 – <b>Weathered Glacial</b> – Gray to yellowish brown medium to coarse grained sandy loam to loamy sand, 10-20% pebbles to small gravels, angular to rounded, 30-40% oxidation, wet, firm</p> <p>50-90 – <b>Weathered Glacial</b> – Yellowish brown to strong brown medium to coarse grained loamy sand to sand, 20-30% pebbles, wet, firm</p> <p>90-100 – <b>Weathered Glacial</b> – Brownish gray coarse to very coarse grained loamy sand, ~30% pebbles to small gravels, angular to rounded, saturated</p> <p>Started auger at 55 cmbs due to water. Terminated at 100 cmbs in glacial sediments. Water table at ~55 cmbs and seeping from ~28 cmbs.</p>	None
696	JG 284	562460 m E 5331740 m N	<p>0-27 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm</p> <p>0-27 – Dark brown loam, no gravels, moist, firm</p> <p>27~70 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light yellowish brown fine grained sandy loam, no gravels, sticky, changes at ~47 cmbs to Gray to dark gray fine grained sandy loam to sandy clay loam, moist, overall oxidation is 30-40% near upper boundary decreasing to ~10% by lower boundary</p> <p>~70-90 – <b>Weathered Glacial</b> – Light yellowish brown fine grained sandy clay to sandy clay loam, no gravels, sticky, 20-30% oxidation mottling, very firm</p> <p>90-100 – <b>Weathered Glacial</b> – Gray to dark gray medium grained sandy loam to sandy clay loam, ~5% pebble, 10-20% oxidation mottling, firm to very firm</p> <p>Started auger at ~60 cmbs due to water. Water table at ~50 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
697	JG 283	562420 m E 5331740 m N	<p>0-29 – <b>Plow zone</b> – Dark brown to brown loam, 10-20% gravels, moist, firm</p> <p>29-48 – <b>Weathered Glacial?</b> – Yellowish brown medium to coarse grained sandy loam to loamy sand, 20-30% pebbles to gravels, 20-30% oxidation, moist to wet, firm to very firm</p> <p>48-60 – <b>Weathered Glacial</b> – Light gray sandy clay loam, 20-30% gravels, very firm, wet</p> <p>60-82 – <b>Weathered Glacial</b> – Gray and strong brown sandy loam with few concreted black sands, ~10% pebbles to gravels, moist, firm to very firm</p> <p>82-100 – <b>Weathered Glacial</b> – Light gray to light yellowish brown coarse grained sandy clay mottled with gray and strong brown, very firm</p> <p>Started auger at ~70 cmbs due to water. Water table at ~90 cmbs but flowing from ~50 cmbs.</p>	None
698	JG 282	562380 m E 5331740 m E	<p>0-26 – <b>Plow zone</b> – Dark brown to brown sandy loam, ~20% rootlets, ~10% cobbles, moist, firm</p> <p>26-60 – <b>Weathered Glacial</b> – Light gray fine grained sandy loam, 10-20% oxidation/mottling, no gravels, firm to very firm, gradual transition to</p> <p>~60-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles, wet</p> <p>Started auger at ~70 cmbs due to water. Water table at ~64 cmbs but flowing from at least ~60 cmbs.</p>	None
699	Skipped	562380 m E 5331700 m N	Skipped due to natural gas line	
700	SL 129	562420 m E 5331700 m N	<p>0-39 – <b>Plow zone</b> – Dark brown silt loam</p> <p>39-65 – <b>Weathered Glacial</b> – Dark grayish brown gravelly loam, 25% gravel</p> <p>65-91 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 10% gravel, saturated with water</p> <p>Water table at 49 cmbs</p>	None
701	SL 130	562460 m E 5331700 m N	<p>0-32 – <b>Plow zone</b> – Dark brown silt loam</p> <p>32-50 – <b>Weathered Glacial</b> – Dark grayish brown mottled with yellowish brown sandy loam, 10% gravel</p> <p>50-68 – <b>Weathered Glacial</b> – Dark grayish brown mottled with yellowish brown sandy loam, 10% gravel</p> <p>Started auger at ~50 cmbs due to ground water. Water table at ~50 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
702	SL 131	562500 m E 5331700 m N	0-28 – <b>Plow zone</b> – Dark brown silt loam 28-63 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 10% gravel 63~81 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 10% gravel  Started auger at ~63 cmbs due to ground water. Water table at ~39 cmbs.	None
703	SL 132	562540 m E 5331700 m N	0-30 – <b>Plow zone</b> – Dark brown silt loam 30-64 – <b>Weathered Glacial</b> – Dark gray sandy loam, 10% gravel 64~82 – <b>Weathered Glacial</b> – Dark yellowish brown sandy loam, 10% gravel  Started auger at ~63 cmbs due to ground water. Water table at ~53 cmbs.	None
704	SL 133	562580 m E 5331700 m N	0-31 – <b>Plow zone</b> – Dark brown silt loam 31-52 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam, 10% gravel 52~70 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam, 10% gravel, saturated with water  Started auger at ~52 cmbs due to ground water. Water table at ~39 cmbs.	None
705	SL 134	562620 m E 5331700 m N	0-31 – <b>Plow zone</b> – Very dark brown silt loam 29-73 – <b>Weathered Glacial</b> – Dark yellowish brown sandy loam, 10% gravel 73~91 – <b>Weathered Glacial</b> – Dark yellowish brown sandy loam, 10% gravel  Started auger at ~73 cmbs due to ground water. Water table at ~67 cmbs.	None
706	SL 135	562660 m E 5331700 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam 32-79 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 10% gravel 79~97 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 10% gravel  Started auger at ~79 cmbs due to ground water. Water table at ~67 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
707	SL 136	562700 m E 5331700 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-65 – <b>Weathered Glacial</b> – Dark gray sandy loam, 10% gravel 65~100 – <b>Weathered Glacial</b> – Dark gray sandy loam, 10% gravel, saturated with water  Started auger at ~65 cmbs due to ground water. Water table at ~65 cmbs.	None
708 A	JG 232 (A)	562740 m E 5331700 m N	0-19 – <b>Imported/disturbed gravels</b> - Dark brown sandy loam, 40-50% pebbles to large gravels 19-24 – <b>Imported road base</b> - Gray fine to medium grained loamy sand to sandy loam, 50-60% pebbles and some small gravels, hard  Terminated due to compaction. Shifted unit 3 m east to avoid road berm (JG 232 B)	None
708 B	JG 232 (B)	562743 m E 5331700 m N	0-28 – <b>Plow zone</b> – Dark grayish brown loam, 5-10% pebbles to gravels (likely associated with imported gravels from driveway (JG 232 [A])), firm 28-43 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand to loamy sand, <5% pebbles, firm 43-70 – <b>Weathered Glacial</b> – Light gray sandy loam to sandy clay loam, 60-70% strong brown oxidation, ~5% pebbles, moist to wet, firm 70-74 – <b>Weathered Glacial</b> – Strong brown and black loamy coarse grained sand, concreted  Terminated due to compaction. Water table at 70 cmbs.	0-20 cmbs – 1 shard green plastic
709	JG 233	562780 m E 5331700 m N	0-27 – <b>Plow zone</b> – Dark gray to dark brown loam, no gravels, firm 27-39 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand to loamy sand, <5% pebbles, firm 39-63 – <b>Weathered Glacial</b> – Light gray sandy loam to sandy clay loam, 60-70% strong brown oxidation, ~5% pebbles, moist to wet, firm 63-80 – <b>Weathered Glacial</b> – Light yellowish brown medium to coarse grained loamy sand to sandy loam with gray and strong brown mottling, <5% pebbles, moist to wet, firm to very firm 80-110 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, 10-20% gravels, wet  Started auger at 90 cmbs due to water table. Terminated in intact glacial. Water table at 80 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
710	JG 234	562820 m E 5331700 m N	0-32 – <b>Plow zone</b> – Dark grayish brown loam, <5% pebbles to gravels, moist, firm 32-50 – <b>Relict topsoil</b> – Very dark brown loam, organic-y, some rootlets 32-75 – <b>Weathered Glacial</b> – Gray to light gray fine to medium grained sandy loam to loamy sand 75-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, ~10% pebbles to gravels  Started auger at 80 cmbs due to water table. Terminated at 100 cmbs in glacial. Water table at 65 cmbs.	0-20 cmbs – 1 white ceramic tea cup handle, possibly porcelain
711	JG 235	562860 m E 5331700 m N	0-37 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm 37-85 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained sand to loamy sand, 5-10% pebbles to gravels, changes to gray ~65 cmbs due to increased moisture, firm 85-100 – <b>Weathered Glacial</b> – Light gray to gray fine to medium grained sand, ~10% oxidation, wet to moist  Water table ~93 cmbs but seeping from ~76 cmbs.	0-20 cmbs – 1 shard light blue plastic, 1 shard porcelain
712	JG 236	562900 m E 5331700 m N	0-31 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm 31-77 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained sand to loamy sand, 5-10% pebbles to gravels, changes to gray ~65 cmbs due to increased moisture, firm 77-101 – <b>Weathered Glacial</b> – Gray coarse grained sand with medium grains present, 10-20% pebbles to gravels, wet  Water table at 97 cmbs.	None
713	JG 237	562940 m E 5331700 m N	0-38 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm 38-78 – <b>Weathered Glacial</b> – Light gray to light brownish gray fine to medium grained sandy loam to loamy sand, ~1% pebbles, 20-30% strong brown oxidation, moist, firm 78-98 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, 1-5% pebbles to small gravels, wet, firm to very firm  Water table at 80 cmbs.	None
714	SL 100	562900 m E 5331660 m N	0-29 – <b>Plow zone</b> – Dark brown loam 29-99 – <b>Weathered Glacial</b> – Dark gray sandy loam, ~10% gravels, ~5% pebbles  Groundwater at 82 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
715	BS 020	562860 m E 5331660 m N	0-34 – <b>Plow zone</b> – Dark brown loam, ~10% gravels, firm 34-70 – <b>Weathered Glacial</b> – Light grayish brown medium to fine grained sandy loam, few gravels, firm 70-95 – <b>Weathered Glacial</b> – Light brownish gray medium grained loamy sand, few gravels, firm  Water table at 80 cmbs.	None
716	BS 021	562820 m E 5331660 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 30-51 – <b>Weathered Glacial</b> – Light grayish brown silty loam with light gray silty clay pedons, few gravels, firm 51-90 – <b>Weathered Glacial</b> – Light grayish brown medium grained sandy silt, few gravels  Water table at 75 cmbs.	None
717	BS 022	562780 m E 5331660 m N	0-27 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 27-68 – <b>Weathered Glacial</b> – Light grayish brown silty loam with light gray silty clay pedons, few gravels, firm 68-100 – <b>Weathered Glacial</b> – Light grayish brown medium grained sandy silt, few gravels  Water table at 83 cmbs.	None
718	BS 023	562740 m E 5331660 m N	0-38 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 38-52 – <b>Weathered Glacial</b> – Dark brownish – orange sandy loam, few gravels, compact 52 – <b>Weathered Glacial</b> – Dark orange concretion, impassable  Water at base.	None
719	BS 080	562700 m E 5331660 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 35-86 – <b>Weathered Glacial</b> – Light orange-ish brown clay loam with light gray clay, few gravels 86 – <b>Weathered Glacial</b> – Dark orange clay concretion  Water table at ~51 cmbs.	None
720	BS 079	562660 m E 5331660 m N	0-41 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 41-89 – <b>Weathered Glacial</b> – Light brownish gray clay loam 10% rounded gravels 89-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% fine gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
721	BS 078	562620 m E 5331660 m N	0-26 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 26-56 – <b>Weathered Glacial</b> – Light brownish gray clay loam 10% rounded gravels 56-82 – <b>Weathered Glacial</b> – Gray medium sand, 10% fine gravels 82-104 – <b>Weathered Glacial</b> – Dark gray coarse sand, 30% fine rounded gravels  Water table at ~80 cmbs.	None
722	BS 077	562580 m E 5331660 m N	0-34 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 34-83 – <b>Weathered Glacial</b> – Light brownish gray clay loam 10% rounded gravels 83-100 – <b>Unweathered Glacial</b> – Gray medium sand, 10% fine gravels  Water table at ~64 cmbs.	None
723	BS 076	562540 m E 5331660 m N	0-33 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 33-79 – <b>Weathered Glacial</b> – Light brownish gray clay loam 10% rounded gravels 79-100 – <b>Unweathered Glacial</b> – Gray medium sand, 10% fine gravels  Water table at ~70 cmbs.	None
724	BS 075	562500 m E 5331660 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 35-75 – <b>Weathered Glacial</b> – Light brownish gray clay loam 10% rounded gravels 75-80 – <b>Weathered Glacial</b> – Dark orange clay concretion	None
725	BS 074	562460 m E 5331660 m N	0-25 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 25-60 – <b>Weathered Glacial</b> – Light brownish gray sandy loam mottled with orangey brown clay loam, few gravels 60-80 – <b>Unweathered Glacial</b> – Gray medium sand, few gravels  Water table at surface.	None
726	BS 073	562420 m E 5331660 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 35-90 – <b>Weathered Glacial</b> – Light brownish gray sandy loam mottled with orangey brown clay loam, few gravels 90-100 – <b>Weathered Glacial</b> – Dark bluish-black medium sand, few gravels  Water table at ~70 cmbs.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
727	BS 072	562380 m E 5331660 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 30-90 – <b>Weathered Glacial</b> – Light brownish gray sandy loam mottled with orangey brown clay loam, few gravels 90-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% fine rounded gravels  Water table at ~70 cmbs.	None
728	JG 294	562380 m E 5331620 m N	0-21 – <b>Plow zone</b> – Grayish brown to dark brown loam, no gravels, moist, firm 21-28 – <b>Weathered Glacial</b> – Light gray fine to medium grained loamy sand, <10% pebbles to gravels, 30-40% oxidation, firm to very firm 28-40 – <b>Weathered Glacial</b> – Brownish gray to brown medium grained sandy loam to loam, few gravels, moist, firm to very firm 40-71 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, ~20% pebbles to gravels, wet, firm  Terminated in intact glacial. Water table at ~57 cmbs.	None
729	JG 293	562420 m E 5331620 m N	0-22 – <b>Plow zone</b> – Grayish brown to dark brown loam, no gravels, moist, firm 22-26 – <b>Likely imported fill</b> – Gray coarse grained sand with silt, 30-40% pebbles to gravels, very firm  Unit is ~4 m east of marked gas line. Terminated in imported fill as abundance of caution.	None
730	JG 292	562460 m E 5331620 m N	0-23 – <b>Plow zone</b> – Grayish brown to dark brown loam, no gravels, moist, firm 23-46 – <b>Weathered Glacial</b> – Light gray to light yellowish brown fine to medium grained loamy sand to sandy loam, ~10% pebbles, 30-40% oxidation, moist, firm 46-57 – <b>Weathered Glacial</b> – Light gray to gray fine grained sandy loam to sandy clay loam, no gravels, moist to wet, firm 57~75 – <b>Weathered Glacial</b> – Light gray to gray fine to very fine grained sandy loam to loamy sand, no gravels, wet, firm ~75-100 – <b>Weathered Glacial</b> – Gray medium grained loamy sand, no gravels, some oxidation, wet  Started auger at 70 cmbs due to water. Terminated in glacial. Water table at 60 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
731	EA 027	562500 m E 5331620 m N	0-20 – <b>Plow zone</b> – Dark brown sandy silt, rootlets at surface, medium compaction 20~110 – <b>Weathered Glacial</b> – Gray very coarse sand, 50% angular fine pebbles, oxidized throughout  Started auger at ~60 cmbs due to ground water. Water table at ~40 cmbs.	None
732	EA 026	562540 m E 5331620 m N	0-30 – <b>Plow zone</b> – Dark brown silt, rootlets at surface, medium compaction 30~110 – <b>Weathered Glacial</b> – Light gray coarse sand, <5% rounded pebbles, medium to loose compaction, oxidation  Started auger at ~70 cmbs due to ground water. Water table at ~70 cmbs.	None
733	EA 025	562580 m E 5331620 m N	0-25 – <b>Plow zone</b> – Dark brown sandy silt, rootlets at surface, dense compaction 25~105 – <b>Weathered Glacial</b> – Gray coarse sand, loose compaction, oxidation fluctuating throughout  Started auger at ~70 cmbs due to ground water. Water table at ~60 cmbs.	None
734	EA 024	562620 m E 5331620 m N	0-25 – <b>Plow zone</b> – Dark brown silt, rootlets at surface, dense compaction 25-45 – <b>Weathered Glacial</b> – Reddish brown sandy silt, medium compaction 45-70 – <b>Weathered Glacial</b> – Gray sandy clay, dense compaction 70~110 – <b>Weathered Glacial</b> – Coarse sand, medium to loose compaction  Started auger at ~70 cmbs due to ground water. Water table at ~35 cmbs.	None
735	EA 023	562660 m E 5331620 m N	0-20 – <b>Plow zone</b> – Very dark brown sandy silt loam, rootlets at surface, medium compaction 20-50 – <b>Weathered Glacial</b> – Reddish brown coarse sand, medium compaction 50~100 – <b>Weathered Glacial</b> – Light gray sandy clay, dense compaction  Started auger at ~70 cmbs due to ground water. Water table at ~50 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
736	EA 022	562700 m E 5331620 m N	0-25 – <b>Plow zone</b> – Dark brown sandy silt, medium compaction, rootlets at surface 25-65 – <b>Weathered Glacial</b> – Dark reddish brown coarse sand, <10% rounded gravels, very dense compaction  Terminated at 65 due to very dense compaction. Water table at ~15 cmbs.	None
737	JG 242	562740 m E 5331620 m N	0-25 – <b>Plow zone</b> – Brown to dark brown loam, no gravels, firm 25-60 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light yellowish brown medium to coarse grained sandy clay loam, ~1% pebbles, 30-40% oxidation, moist to wet, firm to very firm 60-100 – <b>Weathered Glacial</b> – Light gray to gray fine grained sandy loam, no gravels, wet, very firm 100-115 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, wet  Started auger at 70 cmbs due to water table and sloppy/sticky sediments. Water table ~60 cmbs.	None
738	JG 241	562780 m E 5331620 m N	0-31 – <b>Plow zone</b> – Brown to dark brown loam, no gravels, firm 31~70 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light yellowish brown medium to coarse grained sandy clay loam, ~1% pebbles, 30-40% oxidation, moist to wet, firm to very firm ~70~85 – <b>Weathered Glacial</b> – Light gray to gray fine grained sandy loam, no gravels, wet, very firm ~85-100 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, wet  Started auger at 75 cmbs due to water table and sloppy/sticky sediments. Water table at ~65 cmbs.	None
739	JG 240	562820 m E 5331620 m N	0-30 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm 30-76 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray to light brownish gray fine to medium grained sandy loam to loamy sand, ~1% pebbles, 20-30% strong brown oxidation, moist, firm 76-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, 1-5% pebbles to small gravels, wet, firm to very firm  Water table at 86 cmbs.	0-20 cmbs – Small piece of black tarp fabric

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
740	JG 239	562860 m E 5331620 m N	0-33 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm 33-56 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, ~1% pebbles, 10-20% oxidation 56-75 – <b>Weathered Glacial</b> – Light gray fine grained sand, no gravels, moist to wet 75-95 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, wet, firm  Terminated due to water in intact glacial. Water table at 80 cmbs.	0-15cmbs – Blue plastic wrapper fragment
741	JG 238	562900 m E 5331620 m N	0-25 – <b>Plow zone</b> – Grayish brown to dark grayish brown loam, no gravels, 20-3-% roots, damp, slightly firm to firm, clear to diffuse boundary 25-64 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, ~1% pebbles, 10-20% oxidation with ~30-40% light brown loamy sand to sandy loam where roots have grown through the strata 64-72 – <b>Weathered Glacial</b> – Light gray fine grained sand, no gravels, moist to wet 72-96 – <b>Unweathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, wet, firm  Terminated due to water and compacted gravels at base. Unit at edge of young trees/undergrowth. Water table at 83 cmbs.	None
742	BS 027	562860 m E 5331580 m N	0-29 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 29-80 – <b>Weathered Alluvial/Reworked Glacial?</b> – Mottled light gray and orange-brown silty loam 80-100 – <b>Unweathered Glacial</b> – Dark gray medium to coarse grained loamy sand  Water table at 80 cmbs.	None
743	BS 026	562820 m E 5331580 m N	0-32 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 32-78 – <b>Weathered Alluvial/Reworked Glacial?</b> – Mottled light gray and orange-brown silty loam 78-100 – <b>Unweathered Glacial</b> – Dark gray medium to coarse grained loamy sand  Water table at 80 cmbs.	None
744	BS 025	562780 m E 5331580 m N	0-29 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 29-83 – <b>Weathered Alluvial/Reworked Glacial?</b> – Mottled light gray and orange-brown silty loam 83-97 – <b>Unweathered Glacial</b> – Dark gray medium to coarse grained loamy sand  Water table at 58 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
745	BS 024	562740 m E 5331580 m N	0-31 – <b>Plow zone</b> – Dark brown loam, few gravels, firm 31-70 – <b>Weathered Alluvial/Reworked Glacial?</b> – Mottled light gray and orange-brown silty loam 70-90 – <b>Weathered Glacial</b> – Dark gray medium to coarse grained loamy sand	None
746	SL 137	562700 m E 5331580 m N	0-27 – <b>Imported materials</b> – Dark brown sandy loam, 20% gravel, 5% pebbles, imported material 27-40 – <b>Imported Materials</b> – Dark gray sandy loam, 2% gravel, <1% marine shell fragments 40-95 – <b>Stained relict sediments?</b> – Dark brown clay  No cultural material, charcoal, or stained soil with shell, redeposit of non-cultural material from a natural context, shellfish taxa include Clinocardium, Balanus, and Macoma.	None
747	SL 138 (1)	562660 m E 5331580 m N	0-38 – <b>Plow zone</b> – Dark brown silt loam 38-82 – <b>Weathered Alluvial/Reworked Glacial?</b> – Dark grayish brown silty loam, 10% gravel  Water table at ~58 cmbs.	None
748	SL 139 (1)	562622 m E 5331580 m N	0-24 – <b>Plow zone</b> – Dark brown silt loam 24-53 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 5% gravel 53-96 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 10% gravel  Water table at ~90 cmbs.	None
749	SL 140 (1)	562584 m E 5331580 m N	0-35 – <b>Plow zone</b> – Dark brown silt loam 35-66 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 10% gravel, 2% pebbles, very dense  Terminated due to compaction.	None
750	SL 141 (1)	562546 m E 5331580 m N	0-29 – <b>Plow zone</b> – Dark brown silt loam 29-98 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam, 5% gravel, 1% pebbles	None
751	SL 142 (1)	562508 m E 5331580 m N	0-25 – <b>Plow zone</b> – Dark brown silt loam 25-95 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam, 10% gravel	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
752	SL 143 (1)	562470 m E 5331580 m N	0-31 – <b>Plow zone</b> – Dark brown silt loam 31-92 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 10% gravel  Water table at ~73 cmbs.	None
753	SL 144 (1)	562420 m E 5331580 m N	0-26 – <b>Plow zone</b> – Dark brown silt loam 26-96 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam, 10% gravel  Water table at ~91 cmbs.	None
754	SL 145 (1)	562380 m E 5331580 m N	0-27 – <b>Plow zone</b> – Dark brown silt loam 27-39 – <b>Weathered Glacial</b> – Dark gray sandy loam 39-92 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, 10% gravel  Water table at ~91 cmbs.	None
755	SL 146 (1)	562380 m E 5331540 m N	0-33 – <b>Plow zone</b> – Dark brown silt loam 33-93 – <b>Weathered Glacial</b> – Dark gray sandy loam 10% gravel  Water table at ~86 cmbs.	None
756	SL 147 (1)	562420 m E 5331540 m N	0-26 – <b>Plow zone</b> – Dark brown silt loam 26-34 – <b>Weathered Glacial</b> – Dark gray sandy loam 34-92 – <b>Weathered Glacial</b> – Very dark gray sandy loam, 2% gravel  Water table at ~86 cmbs.	None
757	Skipped	562460 m E 5331540 m N	Skipped due to natural gas line	
758	SL 148 (1)	562500 m E 5331540 m N	0-29 – <b>Plow zone</b> – Dark brown silt loam 29-95 – <b>Weathered Glacial</b> – Dark brownish gray sandy loam, 10% gravel	None
759	BS 081	562540 m E 5331540 m N	0-32 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 32-92 – <b>Likely Weathered Glacial</b> – Orange-ish brown clay loam, few gravels 92-108 – <b>Unweathered Glacial</b> – Gray medium sand, 10% fine rounded gravels  Water table at ~72 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
760	JG 297	562580 m E 5331540 m N	<p>0-36 – <b>Plow zone</b> – Grayish brown to dark brown loam, &lt;5% gravels, moist, firm</p> <p>36-50 – <b>Weathered Glacial</b> – Light yellowish brown to light gray medium to coarse grained loamy sand, few gravels, 10-20% oxidation, wet, firm to very firm</p> <p>50-85 – <b>Weathered Glacial</b> – Yellowish brown medium to coarse grained sandy loam to clayey sand, sticky and very gritty, 30-40% oxidation, wet, firm</p> <p>85-100 – <b>Unweathered Glacial</b> – Gray medium to coarse grained loamy sand, ~20% gravels, wet</p> <p>Started auger at ~68 cmbs due to water. Terminated in glacial. Water table at ~55 cmbs.</p>	None
761	JG 296	562620 m E 5331540 m N	<p>0~28 – <b>Plow zone</b> – Grayish brown to brown loam, 5-10% gravels, moist, firm</p> <p>~28~50 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray fine to medium grained loamy sand, &lt;10% pebbles to gravels, 30-40% oxidation, firm to very firm</p> <p>~50-90 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, ~1% gravels, saturated, slightly firm to firm</p> <p>Started auger at ~24 cmbs due to water. Depth estimated due to lack of visibility. Water table at ~1cm above surface.</p>	None
762	JG 295	562660 m E 5331540 m N	<p>0-38 – <b>Plow zone</b> – Grayish brown to brown loam, 5-10% gravels, moist, firm</p> <p>38-48 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light gray fine to medium grained loamy sand, &lt;10% pebbles to gravels, 30-40% oxidation, firm to very firm</p> <p>48~70 – <b>Weathered Glacial</b> – Gray to strong brown medium to coarse grained sand, ~10-20% gravels, very firm</p> <p>~70-100 – <b>Unweathered Glacial</b> – Gray fine to medium grained sand, ~1% gravels, saturated, slightly firm to firm</p> <p>Started auger at ~57 cmbs due to water and compaction. Terminated at 100 cmbs in intact glacial. Water table at ~44 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
763	JG 291	562700 m E 5331540 m N	<p>0-24 – <b>Import and disturbed topsoil</b> – Dark grayish brown loam, ~30% root/lets, ~20% gravels with large cobbles at boundary, wet, loose</p> <p>24~56 – <b>Alluvial/Reworked Glacial?</b> – Brownish gray to grayish brown fine to medium grained sand to sandy loam, few pebbles, wet, soft</p> <p>~56~65 – <b>Weathered Glacial</b> – Gray fine grained sand, no gravels, wet, firm</p> <p>~65-100 – <b>Weathered Glacial</b> – Brownish gray medium grained sand mottled with orange, 5-10% gravels, wet, firm</p> <p>Started auger at ~25 cmbs due to large cobble/rock obstructions. Terminated in glacial at 100 cmbs. Probe located on east side of old driveway.</p> <p>Water table at ~80 cmbs.</p>	0-15 cmbs – 1 sherd white glazed ceramic
764	JG 243	562740 m E 5331540 m N	<p>0-31 – <b>Plow zone</b> – Grayish brown to dark grayish brown loam to silt loam, ~10% pebbles to small gravels, firm</p> <p>31-80 – <b>Weathered Glacial?</b> – Light gray medium to coarse grained loamy sand, 10-20% pebbles to gravels, subangular to rounded, 60-70% oxidation in upper 20 cm changing to 30-40% in lower sediments, moist to wet, firm</p> <p>80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, wet</p> <p>Water table at 83 cmbs.</p>	None
765	JG 244	562780 m E 5331540 m N	<p>0-30 – <b>Plow zone</b> – Dark grayish brown loam, no gravels, firm</p> <p>30-70 – <b>Weathered Glacial?</b> – Light gray to light brownish gray fine to medium grained sandy loam to loamy sand, ~1% pebbles, 20-30% strong brown oxidation, moist, firm</p> <p>70-93 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, 1-5% pebbles to small gravels, wet, firm to very firm</p> <p>Water table at 80 cmbs.</p>	None
766	JG 245	562820 m E 5331540 m N	<p>0-31 – <b>Plow zone</b> – Brown to grayish brown sandy loam, 5-10% pebbles to gravels, firm to very firm</p> <p>31-70 – <b>Weathered Glacial?</b> – Light gray to gray fine to medium grained sand to loamy sand, ~10% pebbles to small gravels, subangular to rounded, moist</p> <p>70-94 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, subangular to rounded, wet, firm</p> <p>Water table at 87 cmbs.</p>	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
767	JG 246	562860 m E 5331540 m N	0-27 – <b>Plow zone</b> – Grayish brown to dark grayish brown loam, ~1% gravels, firm 27-55 – <b>Weathered Glacial</b> – Light gray to gray fine to medium grained sand to loamy sand, ~10% pebbles to small gravels, subangular to rounded, moist 55-78 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, subangular to rounded, wet, firm  Water table at 75 cmbs.	None
768	SL 149 (1)	562820 m E 5331500 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam 32-67 – <b>Alluvial?</b> – Dark brown sandy loam, 5% gravel 67-98 – <b>Weathered Glacial?</b> – Dark grayish brown mottled with yellowish brown sandy loam  Water table at ~91 cmbs.	None
769	BS 082	562780 m E 5331500 m N	0-37 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 37-82 – <b>Alluvial?</b> – Grayish brown fine silty sand, few gravels 82-100 – <b>Weathered Glacial</b> – Gray medium sand, 20% fine rounded gravels  Water table at ~89 cmbs.	None
770	BS 083	562740 m E 5331500 m N	0-38 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 38-85 – <b>Weathered Glacial</b> – Light orangey brown clay loam, few gravels 85-100 – <b>Weathered Glacial</b> – Gray medium sand, few gravels  Water table at ~82 cmbs.	None
771	BS 087	562700 m E 5331500 m N	0-38 – <b>Plow zone</b> – Dark brown loam, few gravels 38-100 – <b>Weathered Glacial</b> – Brown clay loam, few gravels  Water table at ~75 cmbs	None
772	BS 088	562660 m E 5331500 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels 35 – <b>Weathered Glacial</b> – Black and orange mottled concretion  Water table at ~75 cmbs.	None
773	BS 089	562620 m E 5331499 m N	0-40 – <b>Plow zone</b> – Dark brown loam, few gravels 40 – <b>Weathered Glacial</b> – Black and orange mottled concretion  Water table at ~40 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
774	BS 090	562580 m E 5331497 m N	0-48 – <b>Plow zone</b> – Dark brown loam, few gravels 48 – <b>Weathered Glacial</b> – Black and orange mottled concretion  Water table at ~40 cmbs.	None
775	BS 091	562540 m E 5331495 m N	0-41 – <b>Plow zone</b> – Dark brown loam, few gravels 41-73 – <b>Weathered Glacial</b> – Light grayish brown sandy clay, few gravels 73-80 – <b>Weathered Glacial</b> – Gray medium sand, few gravels  Water table at ~70 cmbs.	None
776	BS 092	562500 m E 5331494 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels 35-95 – <b>Weathered Glacial</b> – Gray fine sand, few gravels 95-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% rounded gravels and pebbles  Water table at ~95 cmbs.	None
777	BS 093	562460 m E 5331493 m N	0-40 – <b>Plow zone</b> – Dark brown loam, few gravels 40-92 – <b>Weathered Glacial</b> – Gray fine sand, few gravels 92-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% rounded gravels and pebbles  Water table at ~93 cmbs.	None
778	BS 094	562420 m E 5331500 m N	0-29 – <b>Plow zone</b> – Dark brown loam, few gravels 29-38 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light grayish brown clay loam 38-90 – <b>Weathered Glacial</b> – Gray fine sand, few gravels 90-100 – <b>Weathered Glacial</b> – Gray medium sand, few gravels  Water table at ~97 cmbs.	None
779	EA 029	562420 m E 5331460 m N	0-35 – <b>Plow zone</b> – Dark brown sandy silt, <1% rounded gravels, rootlets at surface, medium compaction, small charcoal fragments 35~100 – <b>Weathered Glacial</b> – Gray coarse sand, <5% rounded pebbles, loose compaction  Started auger at ~70 cmbs due to ground water. Water table at ~75 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
780	EA 028	562460 m E 5331460 m N	0-25 – <b>Plow zone</b> – Dark brown sandy silt, <1% rounded gravels, rootlets at surface, medium compaction 25~100 – <b>Weathered Glacial</b> – Gray coarse sand, <1% rounded pebbles, loose compaction  Started auger at ~70 cmbs due to ground water. Water table at ~65 cmbs.	None
781	Skipped	562500 m E 5331460 m N	Skipped due to natural gas line	
782	SL 157	562540 m E 5331460 m N	0-35 – <b>Plow zone</b> – Very dark brown silt loam 35-48 – <b>Alluvial/Reworked Glacial?</b> – Dark grayish brown sandy loam 48-61 – <b>Weathered Glacial</b> – Dark brown sandy loam 61-93 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, 5% gravel  Water table at ~93 cmbs.	None
783	SL 156 (1)	562580 m E 5331460 m N	0-29 – <b>Plow zone</b> – Dark brown silt loam 29-38 – <b>Weathered Glacial</b> – Dark grayish brown sandy loam, very dense compaction  Terminated due to very dense compaction.	None
784	SL 155 (1)	562620 m E 5331460 m N	0-44 – <b>Plow zone</b> – Dark brown silt loam, very dense compaction  Terminated at very dense compaction. Water table at ~32 cmbs.	None
785	SL 154 (1)	562656 m E 5331460 m N	0-30 – <b>Plow zone/ Topsoil</b> – Dark brown silt loam 30-58 – <b>Potentially Disturbed/Relict topsoil</b> – Dark grayish brown silty loam, damp, very dense compaction  Terminated due to very dense compaction. Shifted due to vegetation. Location in vicinity of historic structure complex.	None
786	SL 153 (1)	562700 m E 5331460 m N	0-14 – <b>Import materials</b> – Dark grayish brown coarse sand, 15% gravel, 10% pebbles, imported material, fragments of non-diagnostic glass at 3-5 cmbs 14-28 – <b>Possible wetland deposit</b> – Dark gray clay, very dense compaction 28-49 – <b>Possible wetland deposit</b> – Gray clay, very dense compaction 49-61 – <b>Possible wetland deposit</b> – Dark yellowish brown silt loam, 5% gravel, sticky  Terminated due to very dense compaction.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
787	SL 150 (1)	562740 m E 5331460 m N	0-27 – <b>Plow zone</b> – Dark brown silt loam 27-59 – <b>Weathered Glacial?</b> – Dark grayish brown sandy loam 59-89 – <b>Weathered Glacial</b> – Dark grayish brown mottled with yellowish brown silt loam  Water table at ~81 cmbs.	None
788	BS 084	562780 m E 5331460 m N	0-37 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 37-100 – <b>Weathered Glacial</b> – Gray fine sand, few gravels  Water table at ~83 cmbs.	None
789	SL 151 (1)	562780 m E 5331420 m N	0-32 – <b>Plow zone</b> – Dark brown silt loam 32-45 – <b>Weathered Glacial</b> – Dark grayish brown mottled with yellowish brown sandy loam 45-96 – <b>Weathered Glacial</b> – Dark grayish brown silty loam, saturated with water  Water table at ~90 cmbs.	None
790	SL 152 (1)	562740 m E 5331420 m N	0-28 – <b>Plow zone</b> – Dark brown silt loam 28-59 – <b>Weathered Glacial?</b> – Dark grayish brown sandy loam 59~77 – <b>Weathered Glacial?</b> – Dark grayish brown sandy loam, saturated with water  Started auger at ~59 cmbs due to ground water. Water table at ~49 cmbs.	None
791	Skipped	562700 m E 5331420 m N	Skipped due to bees	
792	JG 298	562660 m E 5331420 m N	0-25 – <b>Plow zone</b> – Brown to dark brown loam, 20-30% small to large gravels, subangular to rounded, moist to wet, firm to slightly firm 25-42 – <b>Weathered Glacial ?</b> – Brownish gray to grayish brown fine grained loamy sand to sandy loam, 10-20% gravels, subangular to rounded 42-80 – <b>Weathered Glacial</b> – Gray and strong brown sandy clay loam, 20-30% pebbles to gravels, compacted deposit on east side sloping down to a point at the base, firm to very firm  Started auger at ~75 cmbs due to narrowing and water. Terminated due to compaction.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
793	JG 299	562620 m E 5331420 m N	0-31 – <b>Plow zone</b> – Dark brown loam, ~10% pebbles to gravels, moist to wet, firm 31-40 – <b>Weathered Glacial</b> – Gray and strong brown fine to coarse grained sandy loam, 20-30% gravels and concretions, solid concretion at base  Terminated due to compaction. Water table at base.	None
794	JG 300	562580 m E 5331420 m N	0-36 – <b>Plow zone</b> – Dark brown loam, ~10% pebbles to gravels, moist to wet, firm 36~60 – <b>Weathered Glacial</b> – Gray and strong brown fine to coarse grained sandy loam, 20-30% gravels ~60~80 – <b>Weathered Glacial</b> – Pale yellowish brown medium grained sand clay loamy, few pebbles, wet ~80-100 – <b>Unweathered Glacial</b> – Gray coarse to very coarse grained sand, ~20% pebbles to gravels, saturated  Started auger at ~50 cmbs due to water. Terminated in glacial at 100 cmbs. Water table at 40 cmbs.	None
795	Skipped	562540 m E 5331420 m N	Skipped due to natural gas line	
796	JG 301	562500 m E 5331420 m N	0-30 – <b>Plow zone</b> – Dark brown loam, no gravels, moist, firm 30~60 – <b>Weathered Glacial</b> – Pale yellowish brown medium grained sand to loamy sand, few pebbles, wet, gradual transition to ~60-90 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, few gravels, wet  Terminated in glacial. Water table at ~70 cmbs but flowing from above.	None
797	JG 302	562460 m E 5331420 m N	0-28 – <b>Plow zone</b> – Dark brown loam, few pebbles, moist, firm, clear boundary 28-40 – <b>Alluvial?</b> – Light brownish gray to light gray medium grained sand, few pebbles, moist, firm, clear and very wavy boundary 40-45 – <b>Possible Wetland Deposit</b> – Dark brown to dark grayish brown fine grained sandy silt (loam), no gravels, firm, moist 45-80 – <b>Weathered Glacial</b> – Gray medium grained sand, few gravels, wet, firm 80-100 – <b>Unweathered Glacial</b> – Gray coarse grained sand, 10-20% pebbles to gravels, subangular to rounded, saturated, firm  Water table at ~75 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
798	JG 303	562420 m E 5331420 m N	0-30 – <b>Plow zone</b> – Grayish brown loam to sandy loam, ~10% pebbles to gravels, subangular to rounded, moist, firm 30-50 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, ~20% gravels, ~60% oxidation, moist, firm to very firm 40-80 – <b>Weathered Glacial</b> – Gray coarse grained sand to loamy sand, 20-30% gravels, subangular to rounded, ~20% oxidation, moist to wet, firm 80-100 – <b>Weathered Glacial</b> – Gray coarse grained sand, ~30% gravels, trace oxidation, wet  Terminated in intact glacial. Water table at ~87 cmbs.	None
799	JG 304	562380 m E 5331420 m N	0-28 – <b>Plow zone</b> – Grayish brown loam to sandy loam, ~10% pebbles to gravels, subangular to rounded, moist, firm 28-60 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand to loamy sand, ~20% gravels, ~60% oxidation, moist, firm to very firm 60-70 – <b>Weathered Glacial</b> – Light gray very fine grained sandy silt to silty sand, no gravels, very firm 70-80 – <b>Weathered Glacial</b> – Gray coarse grained sand, ~30% gravels, wet, firm to very firm  Terminated due to compacted gravels. Water table at base.	None
800	EA 030	562380 m E 5331380 m N	0-30 – <b>Plow zone</b> – Dark brown sandy silt, rootlets at surface, medium compaction 30-60 – <b>Weathered Glacial?</b> – Gray fine sand, heavy oxidation, dense compaction 60-100 – <b>Weathered Glacial</b> – Gray coarse sand, <5% rounded gravels, medium to loose compaction	None
801	EA 031	562420 m E 5331380 m N	0-40 – <b>Plow zone</b> – Dark brown sandy silt, <1% rounded gravels, rootlets at surface, medium compaction 40~100 – <b>Weathered Glacial</b> – Gray coarse sand, <1% rounded pebbles, heavy oxidation, loose compaction  Started auger at ~70 cmbs due to ground water.	None
802	EA 032	562460 m E 5331380 m N	0-35 – <b>Plow zone</b> – Dark brown sandy silt, <1% rounded gravels, rootlets at surface, medium compaction 30-65 – <b>Weathered Glacial?</b> – Gray fine sand, moderate oxidation, dense compaction 60~85 – <b>Weathered Glacial</b> – Reddish brown very coarse sand, 20-30% subrounded to rounded pebbles, very dense compaction  Terminated at 85 cmbs due to very dense compaction.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
803	EA 033	562500 m E 5331380 m N	0-35 – <b>Plow zone</b> – Dark brown sandy silt, <1% rounded gravels, rootlets at surface, medium compaction 35-65 – <b>Weathered Glacial</b> – Reddish brown very coarse sand in clay matrix, heavy oxidation, dense compaction 65~100 – <b>Weathered Glacial</b> – Gray clay, medium compaction  Started auger at ~70 cmbs due to ground water. Water table at ~60 cmbs.	None
804	EA 034	562540 m E 5331380 m N	0-30 – <b>Plow zone</b> – Dark brown sandy silt, <1% rounded gravels, rootlets at surface, medium compaction 30-85 – <b>Weathered Glacial?</b> – Reddish brown very coarse sand in clay matrix, medium compaction 85~100 – <b>Weathered Glacial</b> – Gray coarse sand, medium to loose compaction  Started auger at ~70 cmbs due to ground water. Water table at ~60 cmbs.	None
805	Skipped	562580 m E 5331380 m N	Skipped due to natural gas line	
806	EA 035	562620 m E 5331380 m N	0-45 – <b>Plow zone</b> – Dark brown sandy silt, <1% rounded gravels, rootlets at surface, medium compaction 45-50 – <b>Weathered Glacial</b> – Reddish brown coarse sand, fine pebbles, very dense compaction  Terminated at 50 cmbs due to very dense compaction.	None
807	EA 036	562660 m E 5331380 m N	0-45 – <b>Plow zone</b> – Dark brown sandy silt, <1% rounded gravels, rootlets at surface, medium compaction 45-50 – <b>Weathered Glacial</b> – Reddish brown coarse sand, fine pebbles, very dense compaction  Terminated at 50 cmbs due to very dense compaction.	None
808	EA 037	562693 m E 5331375 m N	0-40 – <b>Plow zone</b> – Very dark brown sandy silt, medium to loose compaction, rootlets at surface 40-65 – <b>Weathered Glacial</b> – Dark brownish gray coarse sand, medium compaction 65-100 – <b>Weathered Glacial</b> – Reddish brown very coarse sand, some pebbles, very dense compaction	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
809	BS 085	562740 m E 5331380 m N	0-29 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 29-70 – <b>Weathered Glacial/Alluvial?</b> – Light brown sandy loam, 10% subangular to rounded gravels and pebbles 70 – <b>Weathered Glacial</b> – Orange sandy clay concretion  Water table at ~67 cmbs.	None
810	BS 086	562740 m E 5331340 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 30-70 – <b>Alluvial?</b> – Light brown sandy loam, 10% subangular to rounded gravels and pebbles  Terminated due at 70 cmbs due to suction.	None
811	EA 038	562700 m E 5331340 m N	0-50 – <b>Plow zone</b> – Very dark brown sandy silt, medium to loose compaction, rootlets at surface 50~100 – <b>Weathered Glacial</b> – Reddish brown coarse sand in clay matrix, <1% rounded gravels, dense compaction  Started auger at ~70 cmbs due to ground water. Water table at ~50 cmbs.	None
812	BS 102	562660 m E 5331340 m N	0-37 – <b>Plow zone</b> – Dark brown loam, few gravels 37-66 – <b>Weathered Glacial</b> – Orangey brown silty loam, 10% fine subangular gravels 66-84 – <b>Weathered Glacial</b> – Orangey brown medium sand, few gravels 84 – <b>Weathered Glacial</b> – Brownish black concretion	None
813	BS 101	562620 m E 5331340 m N	0-32 – <b>Plow zone</b> – Dark brown loam, few gravels 32-70 – <b>Weathered Glacial</b> – Light grayish brown sandy clay, 10% subangular pebbles 70 – <b>Weathered Glacial</b> – Brownish black concretion, impassable	None
814	BS 100	562580 m E 5331340 m N	0-40 – <b>Plow zone</b> – Dark brown loam, few gravels 40 – <b>Weathered Glacial</b> – Brownish black concretion, impassable  Water table at ~35 cmbs.	None
815	BS 099	562540 m E 5331340 m N	0-42 – <b>Plow zone</b> – Dark brown loam, few gravels 42-95 – <b>Weathered Glacial</b> – Light orange-ish brown clay loam mottled with gray fine sandy clay, few gravels  Water table at ~48 cmbs.	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
816	BS 098	562500 m E 5331340 m N	0-38 – <b>Plow zone</b> – Dark brown loam, few gravels 38-98 – <b>Weathered Glacial</b> – Light orange-ish brown clay loam mottled with gray fine sandy clay, few gravels 98-105 – <b>Weathered Glacial</b> – Gray medium sand, 10% rounded pebbles  Water table at ~46 cmbs.	None
817	BS 097	562460 m E 5331340 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels 36-100 – <b>Weathered Glacial</b> – Light orange-ish brown clay loam mottled with gray fine sandy clay, few gravels  Water table at ~79 cmbs.	None
818	BS 096	562420 m E 5331340 m N	0-28 – <b>Plow zone</b> – Dark brown loam, few gravels 28-55 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light grayish brown clay loam, few gravels 55-100 – <b>Weathered Glacial</b> – Orange clay loam mottled with gray medium sandy clay, 10% rounded pebbles  Water table at ~81 cmbs.	None
819	BS 095	562380 m E 5331340 m N	0-31 – <b>Plow zone</b> – Dark brown loam, few gravels 31-78 – <b>Weathered Glacial?</b> – Gray fine sand, few gravels 78-93 – <b>Weathered Glacial</b> – Orangey brown clay loam, few gravels	None
820	JG 305	562380 m E 5331300 m N	0-29 – <b>Plow zone</b> – Dark brown to dark grayish brown loam, <5% gravels, ~10% rootlets below cap, moist, firm 29-66 – <b>Weathered Glacial</b> – Light gray to light yellowish brown fine to medium grained sand to loamy sand, 5-10% gravels, subangular to rounded, ~20% oxidation, moist, firm 66-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 10-20% pebbles to gravels, subangular to rounded, wet, firm  Water table at ~90 cmbs.	None
821	JG 306	562420 m E 5331300 m N	0-31 – <b>Plow zone</b> – Dark brown lam, few gravels, moist, firm 31-55 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light yellowish brown fine to medium grained sandy clay loam, few gravels, 30-40% oxidation, very firm 55-72 – <b>Weathered Glacial</b> – Gray medium to coarse grained loamy sand to sandy loam, ~5% gravels, wet firm 72-95 – <b>Weathered Glacial</b> – Light gray to gray medium to coarse grained sandy clay loam, ~5% gravels, some oxidation, wet, firm to very firm ~95-100 – <b>Weathered Glacial</b> – Gray fine grained sandy loam to loamy sand, no gravels, trace oxidation, wet, firm to very firm	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
822	JG 307	562460 m E 5331300 m N	0-30 – <b>Plow zone</b> – Dark brown lam, few gravels, moist, firm 30-42 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained loamy sand to sandy loam, few gravels, 20-30% oxidation, moist, firm 42-57 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium grained sandy clay loam, few gravels, 50-60% oxidation, moist to wet, firm 57-74 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained sandy loam, slightly sticky, <5% gravels, ~10% oxidation, wet, firm  Terminated in weathered glacial due to failed screen mesh.	None
823	JG 308	562500 m E 5331300 m N	0-26 – <b>Plow zone</b> – Dark brown lam, few gravels, moist, firm 26-36 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained loamy sand to sandy loam, few gravels, 20-30% oxidation, moist, firm 36~70 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium grained sandy clay loam, few gravels, 50-60% oxidation, moist to wet, firm ~70-93 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, few gravels, 10-20% oxidation, wet to saturated  Started auger at ~70 cmbs due to water. Terminated on gravels in glacial. Water table at ~55 cmbs.	None
824	JG 309	562540 m E 5331300 m N	0-48 – <b>Plow zone</b> – Brown to dark brown loam, few gravels, moist to wet, firm 40-48 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained sandy loam to clayey sandy loam, 5-10% gravels, wet, firm 48-56 – <b>Weathered Glacial</b> – Light yellowish brown, strong brown, and black medium to coarse grained sand, 10-20% gravels and concreted sand, wet, very firm  Terminated due to compaction.	None
825	SB 02	562580 m E 5331300 m N	0-28 – <b>Plow zone</b> – Dark brown lam, few gravels, moist, firm 28-38 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained loamy sand to sandy loam, few gravels, 20-30% oxidation, moist, firm 38-51 – <b>Weathered Glacial</b> – Light yellowish brown, strong brown, and black medium to coarse grained sand, 10-20% gravels and concreted sand, wet, very firm  Terminated due to compaction. Excavated by Sam Barr and Bea Franke of the Stillaguamish Tribe.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
826	Skipped	562620 m E 5331300 m N	Skipped due to natural gas line	
827	JG 310	562660 m E 5331300 m N	0~30 – <b>Plow zone</b> – Dark brown lam, few gravels, moist, firm ~30~40 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained loamy sand to sandy loam, few gravels, 20-30% oxidation, moist, firm ~40-60 – <b>Weathered Glacial</b> – Light yellowish brown, strong brown, and black medium to coarse grained sand, 10-20% gravels and concreted sand, wet, very firm  Terminated due to compaction. Water table at ~10 cmbs but flowing from surface.	0-30 cmbs – Black plastic electric fence clip/post
828	EA 039	562696 m E 5331302 m N	0-15 – <b>Plow zone</b> – Very dark brown sandy silt, medium to loose compaction, rootlets at surface 15-80 – <b>Weathered Glacial</b> – Reddish brown coarse sand in clay matrix, <1% rounded gravels, dense compaction  Started auger at ~60 cmbs due to ground water. Terminated at 80 cmbs due to dense compaction. Water table at ~50 cmbs.	None
829	Skipped	562660 m E 5331260 m N	Skipped due to natural gas line	
830	BS 103	562620 m E 5331260 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels 36-88 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light grayish brown silty loam, few gravels 88-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% fine rounded gravels  Water table at ~48 cmbs.	None
831	BS 104	562580 m E 5331260 m N	0-34 – <b>Plow zone</b> – Dark brown loam, few gravels 34-104 – <b>Weathered Glacial</b> – Gray medium sand, 10% fine rounded gravels  Water table at ~52 cmbs.	None
832	BS 105	562540 m E 5331260 m N	0-33 – <b>Plow zone</b> – Dark brown loam, few gravels 33-60 – <b>Weathered Alluvial/Reworked Glacial?</b> – Light grayish brown silty loam, few gravels 60 – <b>Weathered Glacial</b> – Brownish orange concretion  Water table at ~52 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
833	SB 003	562500 m E 5331260 m N	0-35 – <b>Plow zone</b> – Dark brown loam, few gravels 35-70 – <b>Weathered Glacial</b> – Light orangey brown clay loam, few gravels 70 – <b>Weathered Glacial</b> – Orangey brown sandy concretion  Charcoal flecks at ~30 cmbs, not collected. Water table at ~70 cmbs.	None
834	BS 106	562460 m E 5331260 m N	0-30 – <b>Plow zone</b> – Dark brown loam, few gravels 30-95 – <b>Weathered Glacial</b> – Light orangey brown clay loam, few gravels 95-100 – <b>Weathered Glacial</b> – Gray medium sand, few gravels  Water table at ~70 cmbs.	None
835	BS 107	562420 m E 5331260 m N	0-29 – <b>Plow zone</b> – Dark brown loam, few gravels 29-100 – <b>Weathered Glacial</b> – Light orangey brown clay loam, few gravels  Water table at ~78 cmbs.	None
836	BS 108	562380 m E 5331260 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels 36-82 – <b>Weathered Alluvial/Reworked Glacial?</b> – Orangey brown fine sandy loam, with few gravels, light gray fine sandy clay pedons 82-102 – <b>Weathered Glacial</b> – Gray fine sandy clay, few gravels	None
837	SL 138 (2)	562380 m E 5331220 m N	0-32 – <b>Plow zone</b> – Very dark brown silt loam 32-56 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray sandy loam 56-98 – <b>Weathered Glacial</b> – Yellowish brown sandy loam, sticky  Water table at ~93 cmbs.	None
838	EA 045	562416 m E 5331229 m N	0-35 – <b>Plow zone</b> – Very dark brown sandy silt, medium to loose compaction, rootlets at surface 35-55 – <b>Weathered Glacial</b> – Gray coarse sand, dense to very dense compact, some oxidation  Terminated at 55 cmbs due to very dense compaction.	None
839	EA 044	562458 m E 5331227 m N	0-30 – <b>Plow zone</b> – Very dark brown sandy silt, medium to loose compaction, rootlets at surface 30-100 – <b>Weathered Glacial</b> – Gray coarse sand, semi compact, some oxidation  Started auger at ~70 cmbs due to ground water. Water table at ~70 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
840	EA 043	562499 m E 5331225 m N	0-30 – <b>Plow zone</b> – Brown sandy silt, medium compaction, rootlets at surface 30-50 <b>Weathered Glacial?</b> – Dark brownish gray coarse sand, medium compaction 50-85 – <b>Weathered Glacial</b> – Reddish brown very coarse sand, some rounded gravels, 40% rounded to subangular pebbles (eroding granite), medium to loose compaction 85~100 – <b>Unweathered Glacial</b> – Gray very coarse sand, some rounded gravels, 30% rounded to subangular pebbles (eroding granite), medium to loose compaction  Started auger at ~70 cmbs due to ground water. Water table at ~80 cmbs.	None
841	EA 042	562540 m E 5331223 m N	0-25 – <b>Plow zone</b> – Brown sandy silt, medium compaction, rootlets at surface 25-50 – <b>Weathered Glacial?</b> – Dark brownish gray coarse sand, medium compaction 50-85 – <b>Weathered Glacial</b> – Reddish brown very coarse sand, some rounded gravels, 40% rounded to subangular pebbles (eroding granite), medium to loose compaction 85~100 – <b>Unweathered Glacial</b> – Gray very coarse sand, some rounded gravels, 30% rounded to subangular pebbles (eroding granite), medium to loose compaction  Started auger at ~70 cmbs due to ground water. Water table at ~60 cmbs.	None
842	EA 041	562580 m E 5331221 m N	0-35 – <b>Plow zone</b> – Brown sandy silt, medium compaction, rootlets at surface 35~105 – <b>Weathered Glacial</b> – Reddish brown very coarse sand, some rounded gravels, 40% rounded to subangular pebbles (eroding granite), medium to loose compaction  Started auger at ~60 cmbs due to ground water. Water table at ~50 cmbs.	None
843	EA 040	562620 m E 5331220 m N	0-40 – <b>Plow zone</b> – Brown sandy silt, medium compaction, rootlets at surface 40-85 – <b>Weathered Glacial</b> – Reddish brown very coarse sand, some rounded gravels, 40% rounded to subangular pebbles (eroding granite), medium to loose compaction 85~105 – <b>Unweathered Glacial</b> – Gray very coarse sand, some rounded gravels, 30% rounded to subangular pebbles (eroding granite), medium to loose compaction  Started auger at ~50 cmbs due to ground water. Water table at ~30 cmbs.	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
844	JG 311	562620 m E 5331180 m N	<p>0-25 – <b>Plow zone</b> – Dark brown loam, 5-10% gravels, wet, slightly firm</p> <p>25~45 – <b>Weathered Alluvial/Reworked Glacial</b> – Dark gray medium grained sandy loam, ~10% gravels, 20-30% oxidation, wet, firm</p> <p>~45~60 – <b>Weathered Glacial</b> – Light yellowish brown medium to coarse grained sand with sandy clay loam deposits, ~10% pebbles, wet, firm</p> <p>~60-68 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, few gravels, 10-20% oxidation, wet to saturated</p> <p>Started auger at 33 cmbs due to water/sloppy soils. Terminated due to rock. Water table at ~23 cmbs.</p>	None
845	JG 312	562580 m E 5331180 m N	<p>0~20 – <b>Plow zone</b> – Dark grayish brown loam to sandy loam, no gravels, wet, firm</p> <p>~20~50 – <b>Weathered Alluvial/Reworked Glacial</b> – Light gray to light yellowish brown fine grained sandy loam to loamy sand, few pebbles, moist, firm</p> <p>~50~55 – <b>Weathered Glacial</b> – Gray fine to very fine grained sand, very firm</p> <p>~55-75 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, few gravels, 10-20% oxidation, wet to saturated</p> <p>Started auger at ~30 cmbs due to water. Terminated in glacial. Water table at surface.</p>	None
846	JG 313	562540 m E 5331180 m N	<p>0-29 – <b>Plow zone</b> – Brown loam, some charcoal flecking, no gravels, moist, firm</p> <p>29-37 – <b>Weathered Glacial</b> – Light gray medium grained sand with some fines, few pebbles, 20-30% oxidation, moist, firm to very firm</p> <p>37-50 – <b>Weathered Glacial</b> – Light brown to light reddish brown medium grained sand, few pebbles, ~60% oxidation at boundary, moist to wet, firm to very firm</p> <p>50-100 – <b>Weathered Glacial</b> – Light gray to light brownish gray medium grained sand with coarse grains, few pebbles, ~20% oxidation, wet, firm to very firm</p> <p>Water table at 83 cmbs but flowing from ~60 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
847	JG 314	562500 m E 5331180 m N	<p>0-27 – <b>Plow zone</b> – Dark brown loam, no gravels, 20-30% fine rootlets, moist, firm</p> <p>27-63 – <b>Weathered Glacial</b> – Light gray medium grained sand with some fines, few pebbles, 20-30% oxidation, moist, firm to very firm</p> <p>63-80 – <b>Weathered Glacial</b> – Light gray to light brownish gray medium grained sand with coarse grains, few pebbles, ~20% oxidation, wet, firm to very firm</p> <p>80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, few gravels, 10-20% oxidation, wet to saturated</p> <p>Water table at ~91 cmbs but seeping from ~70 cmbs.</p>	None
848	JG 315	562460 m E 5331180 m N	<p>0-25 – <b>Plow zone/ disturbed relict topsoil</b> – Dark grayish brown loam to very fine grained sandy loam, charcoal flecks, possible traces of relict topsoil at base of stratum, moist, firm</p> <p>25-33 – <b>Weathered Glacial</b> – Light gray to gray fine grained sand, no gravels, moist, firm</p> <p>33-70 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium to coarse grained loamy sand to sandy loam, few gravels, 20-30% oxidation, moist, firm</p> <p>70-95 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium grained sandy clay loam, few gravels, 50-60% oxidation, moist, firm to very firm</p> <p>Terminated in glacial. Water table at ~65 cmbs.</p>	None
849	JG 316	562420 m E 5331180 m N	<p>0-34 – <b>Plow zone/ disturbed Alluvial</b> – Dark brown loam to sandy loam, some charcoal flecks, no gravels, chunks of light brown medium grained sand in lower 15 cmbs, moist, firm</p> <p>26-34 – <b>Alluvial/Reworked Glacial</b> – Light brown medium grained sand, no gravels, slightly firm</p> <p>34-45 – <b>Weathered Glacial</b> – Light gray medium grained sand, few pebbles</p> <p>45-70 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium grained sandy clay loam, few gravels, 50-60% oxidation, faint brown staining at ~64 cmbs, moist, firm to very firm</p> <p>Terminated in glacial. Water table at ~65 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
850	JG 317	562380 m E 5331180 m N	0-32 – <b>Plow zone</b> – Dark grayish brown sandy loam, few pebbles, charcoal flecks in lower 10 cm, chunks of dark gray medium grained sand in lower 10 cm, firm 32-45 – <b>Weathered Glacial?</b> – Light gray fine to medium grained sand, few pebbles, moist, firm 45-68 – <b>Weathered Glacial</b> – Brownish gray medium to coarse grained sands, few pebbles, some oxidation, moist, firm 68-100 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium grained sandy clay loam, few gravels, 50-60% oxidation, wet, firm to very firm  Started auger at ~90 cmbs due to water. Terminated at 100 cmbs in glacial. Water table at ~74 cmbs.	None
851	BS 109	562380 m E 5331140 m N	0-31 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 31-81 – <b>Weathered Alluvial/Reworked Glacial?</b> – Grayish brown fine sand, 10% rounded gravels 81-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% rounded gravels	None
852	BS 110	562420 m E 5331140 m N	0-37 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 37-79 – <b>Weathered Alluvial/Reworked Glacial?</b> – Grayish brown fine sand, 10% rounded gravels 79-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% rounded gravels	None
853	BS 111	562460 m E 5331140 m N	0-29 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 29-74 – <b>Possible Wetland Deposits/Weathered Glacial</b> – Light grayish brown clay loam, few gravels 74-100 – <b>Weathered Glacial</b> – Brownish orange clay loam, few gravels	None
854	BS 112	562500 m E 5331140 m N	0-31 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 31-52 – <b>Weathered Alluvial/Reworked Glacial</b> – Orangey brown fine grained sandy loam, few gravels 52-96 – <b>Weathered Glacial</b> – Gray fine grained sand, 30% subangular pebbles 96-100 – <b>Weathered Glacial</b> – Gray medium grained sand, 20% subangular gravels	None
855	BS 113	562540 m E 5331140 m N	0-28 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 28-100 – <b>Weathered Glacial</b> – Light grayish brown fine sand, few gravels	None



Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
856	BS 114	562580 m E 5331140 m N	0-41 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 41-97 – <b>Weathered Glacial</b> – Light grayish brown fine sand, few gravels 97-100 – <b>Weathered Glacial</b> – Gray sand, no gravels	None
857	SL 143 (2)	562540 m E 5331100 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-70 – <b>Weathered Glacial</b> – Yellowish brown sandy loam 70-95 – <b>Weathered Glacial</b> – Dark gray sandy loam, coarse sand, 5% gravel	None
858	SL 142 (2)	562500 m E 5331100 m N	0-39 – <b>Plow zone</b> – Very dark brown silt loam 39-98 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray sandy loam	None
859	SL 141 (2)	562460 m E 5331100 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-99 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray sandy loam	None
860	SL 140 (2)	562420 m E 5331100 m N	0-28 – <b>Plow zone</b> – Very dark brown silt loam 28-52 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam 52-97 – <b>Weathered Glacial</b> – Yellowish brown sandy loam  Water table at ~93 cmbs.	None
861	SL 139 (2)	562380 m E 5331100 m N	0-39 – <b>Plow zone</b> – Very dark brown silt loam 39-51 – <b>Weathered Glacial</b> – Dark brown sandy loam 51-97 – <b>Weathered Glacial</b> – Dark brown mottled with yellowish brown sandy loam	None
862	JG 318	562380 m E 5331060 m N	0-50 – <b>Plow zone/disturbed</b> – Brown fine grained sandy loam, ~5% gravels, angular to rounded, 10-20% rootlets throughout, firm 50-65 – <b>Weathered Glacial</b> – Brown fine to medium grained sand, few gravels, firm 65-73 – <b>Weathered Glacial</b> – Light gray fine grained sand, some silts, firm to very firm 73-100 – <b>Weathered Glacial</b> – Gray fine to medium grained sand, no gravels, moist to wet, firm to very firm 100-115 – <b>Unweathered Glacial</b> – Gray coarse grained sand, ~5% pebbles, wet  Started auger at ~90 cmbs due to compaction. Terminated in glacial. Water table at ~97 cmbs.	30-50 cmbs – 3 shards of clear container glass, 1 4” corroded wire cut nail, several chunks of corroded metal/wire

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
863	JG 319	562420 m E 5331060 m N	<p>0-25 – <b>Plow zone with disturbed glacial sediments</b> – Dark grayish brown sandy loam, few pebbles, charcoal flecks in lower 10 cm, chunks of dark gray medium grained sand in lower 10 cm, firm</p> <p>25-48 – <b>Weathered Glacial</b> – Strong brown fine to medium grained loamy sand, ~10% pebbles, subangular to rounded, crunchy, mottled with gray and brown sands, firm to very firm</p> <p>48-67 – <b>Weathered Glacial</b> – Gray medium grained sand, 10-20% gravels (predominantly pebbles) and black sand concretions, some brown staining, very firm to hard</p> <p>Terminated due to compaction.</p>	0-25 cmbs – 1 concrete chunk, cobble size and rounded
864	JG 320	562460 m E 5331060 m N	<p>0-26 – <b>Plow zone</b> – Grayish brown to dark brown loam, ~10% pebbles, ~10% rootlets throughout, moist, firm</p> <p>26-45 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, ~10% pebbles, 20-30% oxidation, firm to very firm</p> <p>45-87 – <b>Weathered Glacial</b> – Gray medium to coarse grained sand, 20-30% pebbles, angular to rounded, 30-40% oxidation</p> <p>87-100 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium grained sandy clay loam, few gravels, 50-60% oxidation, moist, firm to very firm</p> <p>Started auger at ~80 cmbs due to compaction/slick shovel from rain. Terminated in glacial.</p> <p>Water table at base.</p>	None
865	JG 321	562500 m E 5331060 m N	<p>0-26 – <b>Plow zone</b> – Grayish brown to dark brown loam, ~10% pebbles, ~10% rootlets throughout, moist, firm</p> <p>26-45 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, ~10% pebbles, 20-30% oxidation, firm to very firm</p> <p>45-52 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, ~10% pebbles, firm to very firm</p> <p>52~80 – <b>Weathered Glacial</b> – Gray medium grained sand, 10-20% gravels (predominantly pebbles) and black sand concretions, some brown staining, very firm to hard</p> <p>~80-100 – <b>Weathered Glacial</b> – Light gray to light yellowish brown medium grained sandy clay loam, few gravels, 50-60% oxidation, wet, firm to very firm</p> <p>Started auger at ~90 cmbs due to compaction and slick shovel handle from rain.</p> <p>Water table at ~82 cmbs.</p>	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
866	JG 322	562540 m E 5331060 m N	0-33 – <b>Plow zone</b> – Dark grayish brown to dark brown loam, charcoal flecks, few pebbles, ~10% rootlets, chunks of light gray fine to medium grained sand in lower 10 cm, moist, firm 33-80 – <b>Weathered Glacial</b> – Light gray fine to medium grained sand, ~10% pebbles, angular to rounded, ~50-60% oxidation in upper 10 cm decreasing to 10% by lower boundary 80-100 – <b>Weathered Glacial</b> – Gray medium to coarse grained clayey sandy loam to sand with clays, somewhat sticky, moist to wet, firm  Started auger at ~80 cmbs due to narrowing caused by compaction. Water table at ~80 cmbs.	None
867	BS 115	562540 m E 5331020 m N	0-35 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 35-91 – <b>Weathered Glacial</b> – Light grayish brown fine sand, few gravels 91-100 – <b>Weathered Glacial</b> – Brownish gray medium sand, 30% subangular gravels	None
868	BS 116	562500 m E 5331020 m N	0-35 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 35-75 – <b>Weathered Glacial</b> – Light grayish brown fine sand, few gravels 75-100 – <b>Weathered Glacial</b> – Brownish gray medium sand, 30% subangular gravels	None
869	BS 117	562460 m E 5331020 m N	0-32 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 32-81 – <b>Weathered Glacial</b> – Light grayish brown fine sand, few gravels 81-100 – <b>Weathered Glacial</b> – Brownish gray medium sand, 30% subangular gravels	None
870	BS 118	562420 m E 5331020 m N	0-27 – <b>Plow zone</b> – Dark brown loam, 20% subangular gravel, firm compaction 27-57 – <b>Weathered Glacial</b> – Light grayish brown fine sand, few gravels 57 – <b>Weathered Glacial</b> – Orange and brown concretion	None
871	BS 119	562380 m E 5331020 m N	0-36 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 36-94 – <b>Weathered Glacial</b> – Orange and gray mottled fine sand, few gravels 94-100 – <b>Weathered Glacial</b> – Gray fine to medium sand, few gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
872	SL 147 (2)	562380 m E 5330980 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-68 – <b>Possible wetland deposit</b> – Dark gray mottled with yellowish brown silt loam, sticky 68-101 – <b>Weathered Glacial</b> – Dark gray clay  Water table at ~94 cmbs.	None
873	SL 146 (2)	562420 m E 5330980 m N	0-37 – <b>Plow zone</b> – Very dark brown silt loam 37-86 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam 86-99 – <b>Weathered Glacial</b> – Yellowish brown clay  Water table at ~94 cmbs.	None
874	SL 145 (2)	562460 m E 5330980 m N	0-25 – <b>Plow zone</b> – Very dark brown silt loam 25-42 – <b>Possible wetland deposit</b> – Dark grayish brown silt loam 42-94 – <b>Weathered Glacial</b> – Dark gray coarse sandy loam, 5% gravel	None
875	SL 144 (2)	562500 m E 5330980 m N	0-30 – <b>Plow zone</b> – Very dark brown silt loam 30-94 – <b>Weathered Glacial</b> – Yellowish brown mottled with dark gray sandy loam	None
876	SL 148 (2)	562460 m E 5330940 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-50 – <b>Possible wetland deposit</b> – Dark gray mottled with yellowish brown silt loam 50-99 – <b>Possible wetland deposit</b> – Yellowish brown mottled with dark gray silt loam	None
877	SL 149 (2)	562420 m E 5330940 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-59 – <b>Possible wetland deposit</b> – Dark gray sandy loam 59-95 – <b>Possible wetland deposit</b> – Yellowish brown mottled with dark gray silt loam	None
878	SL 150 (2)	562380 m E 5330940 m N	0-29 – <b>Plow zone</b> – Very dark brown silt loam 29-59 – <b>Weathered Glacial</b> – Brown sandy loam, very dense compaction  Terminated due to very dense compaction.	None
879	SL 151 (2)	562380 m E 5330900 m N	0-34 – <b>Plow zone</b> – Very dark brown silt loam 34-95 – <b>Weathered Glacial</b> – Dark gray mottled with yellowish brown sandy loam	None
880	BS 120	562420 m E 5330900 m N	0-33 – <b>Plow zone</b> – Dark brown loam, few gravels, firm compaction 33-100 – <b>Weathered Glacial</b> – Gray medium sand, 10% subangular gravels	None

Probe #	Field #	Probe Location (WGS84 Zone 10, UTM coordinates, +/- 3 meters)	Stratigraphic Description (depths are centimeters below surface [cmbs])	Cultural Materials Found
881	SL 152 (2)	562460 m E 5330900 m N	0-23 – <b>Plow zone</b> – Very dark brown silt loam 32-60 – <b>Possible wetland deposit</b> – Dark grayish brown silty loam 60-85 – <b>Weathered Glacial</b> – Dark gray coarse sandy loam, 5% gravel	None

## **Attachment C. Archaeological Site Forms**



# STATE OF WASHINGTON ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00780

County: Snohomish

Date: 12/23/2020

Human Remains? ☐ DAHP Case No.:

Compiled By: Jessica Gardner

Cultural Resource Consultants, LLC

Archaeological Sites are exempt from public disclosure per RCW 42.56.300

## SITE DESIGNATION

Site Name: 2006G-7 (temp title)

Field/Temporary ID: 2006G-7

Site Type: Historic Agriculture

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for determination of eligibility meet the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the site

☐ meets ☒ does not meet the National Register Criteria.

I recommend that this property be considered significant at the following level(s) of significance:

### Criteria

### Statement of Significance

The foundations were evaluated for significance based on NRHP criteria. Regarding Criterion A, the foundations are associated with the Klein dairy farm which fits in the broader pattern of dairy farming in the Arlington/Marysville area; however, the foundations lack integrity and can no longer be linked with that function. As regard Criterion B, the farm was run by the Klein family c. 1943-1980, however, an initial date of ownership could not be found to directly link construction to the family, limiting the association. Regarding Criterion C, the foundation remains are in poor condition and lack any distinctive characteristic of a construction period or design. Finally, regarding Criterion D, the site is in poor condition and is restricted to the cement foundation and pad. It is not likely these materials will contain significant historical information. As defined by the criteria, this site is recommended not eligible for listing on historic registers.

### Integrity

The site is defined by the foundational remains of agricultural buildings which have been dismantled in the recent past. These remains are in moderate to poor condition and have lost the integrity of design, feeling, materials, and workmanship. The removal of the surrounding buildings has contributed to the diminished integrity of setting. While the buildings were likely used by the Klein family, the construction could not be directly linked and the lacks integrity of association. The site maintains integrity of location. Under these conditions, the site is considered to have poor integrity.

### SHPO Determination

Eligibility Potentially Eligible Determined On 12/30/2020

Determined By

SHPO Comments

## SITE LOCATION

USGS Quad Map Name(s): ARLINGTON WEST

T: 31

R: 05

E/W: E

Section: 34

UTM: Zone: 10

Easting: 562685

Northing: 5331435

Latitude: 48.1331

Longitude: -122.1575

Elevation (ft/m):

Drainage, Major: Snohomish

Drainage, Minor: Quilceda Creek

River Mile

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00780

Page 2 of 14

<b>Aspect</b>	<b>Slope</b>
<b>Location Description</b> (General to Specific):	
The isolate is located in the northern Quilceda Creek drainage system, within the historic marshlands and south of the Arlington/Marysville boundaries (2020). It is within the agricultural fields to the west of the historic Edgecomb Creek ditch and within ~35 feet of said ditch.	
<b>Directions</b> (For Relocation Purposes):	
From Interstate 5 take exit 206, turning east along State Route 531/Edgecomb Road/172nd Street NE, continue east until 51st Avenue NE, turning South on 51st Avenue/Shoultes Road. Follow 51st Ave south until 152nd Street, turning east on 152nd Street. Continue .2 mile east (~1,070 ft) to private driveway. Turn south. Foundations are ~200 ft south southeast of 152nd Street road edge.	
<b>SITE DESCRIPTION</b>	
<b>Narrative Description</b> (Overall Site Observations):	
This site is defined by the visible remaining foundation and concrete pads. Heavy vegetation obscured several foundation sills, indicating others may be present for which we did not have access, which is represented by the potential buffer zone on the provided sketch map. The site is located at the northeast corner of parcel 31053400200700 and was partially documented as HPI 228885 during the 2011 HPI Upload (ACI al 2011), which used available assessor descriptions to create historic property inventories for properties 50 years old or more. At the time, the assessor described the property as a single story 1934 house with associated residential detached garage, barn, and wood pole frame utility building. In comparing this information with available historic aerial imagery, it is likely the current site refers to the barn and wood pole framed utility building, the house and garage being located to the north northwest within the noted potential buffer zone. According to historic aerial imagery, the structures were demolished between 2006 and 2009 (NETR 2020). Based on available ownership records it is likely these were built and owned by the Klein family, who sold the property in 1980 (Kroll 1934, 1943; SC Auditor 2020).	
<b>Site Dimensions</b> (Overall Site Dimensions):	
<b>Length:</b> 191 ft	<b>Direction:</b> E-W
<b>Width:</b> 147 ft	<b>Direction:</b> N-S
<b>Method of Horizontal Measurement:</b>	satellite imagery
<b>Depth:</b> unknown	<b>Method of Vertical Measurement:</b>
<b>Vegetation</b> (On Site):	
<b>Local:</b> Agricultural fields of hay with surrounding disturbance vegetation such as Himalayan blackberry, with Canary grass and other wetland vegetation	<b>Regional:</b> Tsuga heterophylla (Western Hemlock) vegetation zone
<b>Landforms</b> (On Site):	
<b>Local:</b> Foundations are located within converted agricultural fields along the banks of the historic Edgecomb Creek ditch (Property ID100155).	<b>Regional:</b> Located within an alluvial depression formed on a glacial plain.
<b>Water Resources</b> (Type):	Part of the Quilceda Creek watershed. Originally located in marshland which is drained by the Edgecomb Creek historic ditch system.
<b>Distance:</b> ~35 ft west of	<b>Permanence:</b> Edgecomb Creek historic ditch



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00780

Page 3 of 14

## CULTURAL MATERIALS AND FEATURES

### Narrative Description (Specific Inventory Details):

The site is defined by the visible remains of concrete pads and foundational sills and slabs associated with historic outbuildings. For the purposes of simplicity the northeastern foundation will be referred to as a "utility building" and the west foundations as a "barn." These are placeholders due to lack of clarity in building purposes. These foundations are surrounded by a concrete pad/yard which fills in the remaining areas of the site.

The "utility building" measures approximately 80 ft long north to south by 36 ft wide east to west. It is partially surrounded by a poured concrete foundational sill measuring 34 inches tall by 6 inches wide. The north sill appears to be partially broken, limiting the known entry way. A 12 ft wide cut in the south sill indicates a door likely stood here and a narrow cut in the south end of the west sill indicates a single wide door was located here. The floor of the "utility barn" is a thick concrete slab with two trenches cut through it north to south.

The "barn" measures approximately 80 ft east to west by at least 65 ft north to south. It appears to be made of a series of concrete slabs with short (~8 inch tall) sills forming various long rectangular compartments. Northern and southern sill walls appear to have been built up partially with cinder block walls; however, much of these have been removed/dismantled or are covered in thick blackberry thickets. Given the shallow nature of the sills, many of them have been covered over in dirt and vegetation, minimizing plan analysis. An 18 ft wide (east to west) by 65 ft long (north to south) concrete pad extends west from the barn.

### Method of Collection:

No materials were collected from the field.

### Location of Artifacts (Temporary/Permanent):

In situ

## SITE AGE

<b>Component Type</b>	Historic
<b>Dates</b>	1934-c2006
<b>Dating Method</b>	Assessors listing and Historic aerial imagery
<b>Phase</b>	
<b>Basis for Phase Designation</b>	

## SITE RECORDERS

<b>Observed By</b>	<b>Address</b>
Jessica Gardner	PO Box 4159, Seattle, WA 98194
<b>Date Recorded:</b>	12/23/2020
<b>Recorded by (Professional Archaeologist):</b>	Jessica Gardner
<b>Organization:</b>	Cultural Resource Consultants, LLC
<b>Phone Number:</b>	360-572-4871
<b>Address:</b>	PO Box 4159, Seattle, WA 98194
<b>Email:</b>	Jessica.n.gardner@gmail.com

## SITE HISTORY

### Previous Archaeological Work:

Site was originally documented as historic property inventory 228885 during the 2011 HPI Upload project (ACI et al 2011).

**ARCHAEOLOGICAL SITE INVENTORY FORM**

Smithsonian Number: 45SN00780

Page 4 of 14

LAND OWNERSHIP		
Owner	Address	Parcel
Brutus Associates LLC	5246 36th Ave NE, Seattle, WA, 98105	31053400200700

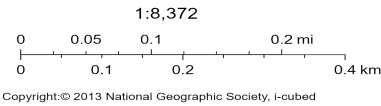
  

RESEARCH REFERENCES
<p><b>Items/Documents Used in Research:</b></p> <p>Artifacts Consulting, Inc. (ACI), Historic Preservation Northwest, and GeoEngineers 2011 Assessors Data Project: Snohomish County. Prepared for DAHP by Historic Preservation Northwest, GeoEngineers, and Artifacts Consulting, Inc. (Project Lead). On file at DAHP, Olympia.;</p> <p>Kroll Map Company (Kroll) 1934 Township 31 N., Range 5 E. W.M., In Kroll's Atlas of King County. Kroll Map Company, Seattle.;</p> <p>1943 Township 31 N., Range 5 E. W.M., In Kroll's Atlas of King County. Kroll Map Company, Seattle.;</p> <p>Nationwide Environmental Title Research, LLC (NETR) 2020 Historic Aerials. Electronic Resource, <a href="http://www.historicaerials.com/?javascript">http://www.historicaerials.com/?javascript</a>, accessed December 23, 2020.;</p> <p>Snohomish County Auditor (SC Auditor) 2020 Recorded Land Records, 1871-2008. Washington State Archives, Digital Archives, <a href="https://www.digitalarchives.wa.gov/Record/View/3FDD3586FC9AD1DEB9C8E3615D5D2198">https://www.digitalarchives.wa.gov/Record/View/3FDD3586FC9AD1DEB9C8E3615D5D2198</a>, Accessed December 22, 2020.</p>

USGS MAP

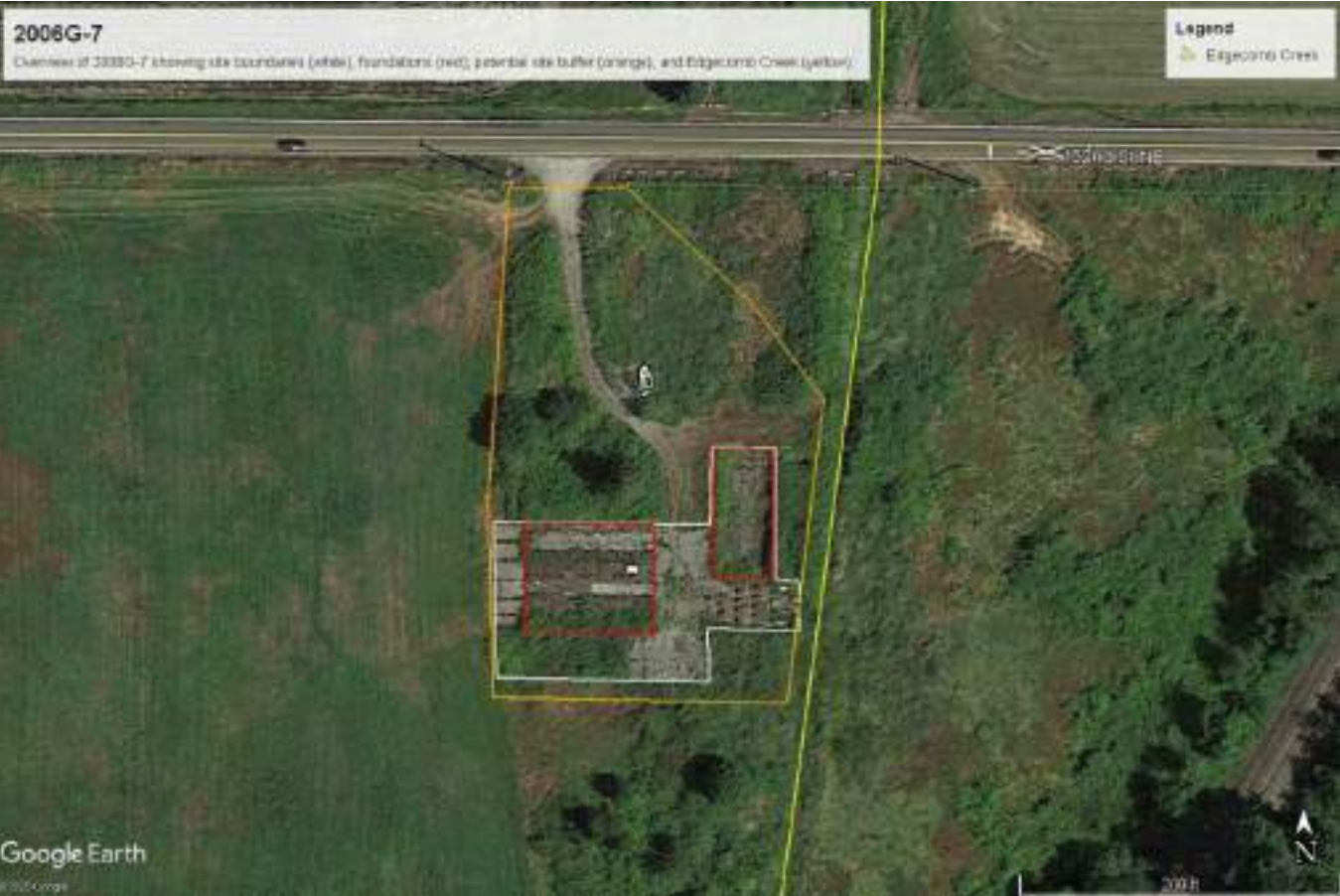


December 30, 2020



SKETCH MAPS

Source Information 12/23/2020 Inventory - Cultural Resource Consultants, LLC





# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00780

Page 7 of 14

## Photographs, Tables and Additional Information



<b>Photo ID</b>	504651
<b>Title</b>	"utility building" foundation
<b>Year Taken</b>	2020
<b>Is Circa?</b>	<input type="checkbox"/>
<b>Notes</b>	Taken from center north edge, showing deep grooves in slab.
<b>Type</b>	image/jpeg
<b>Photo View</b>	view to the south
<b>Source</b>	12/23/2020 Inventory - Cultural Resource Consultants, LLC
<b>Copyright</b>	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00780

Page 8 of 14



Photo ID 504650  
Title Concrete pad directly south of "utility building"  
Year Taken 2020  
Is Circa? ☐  
Notes  
Type image/jpeg  
Photo View view to the east  
Source 12/23/2020 Inventory - Cultural Resource Consultants, LLC  
Copyright ☐



ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00780

Page 9 of 14



Photo ID	504649
Title	Concrete pad at south end of site
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	taken from pad south of "utility building"
Type	image/jpeg
Photo View	View to the southwest
Source	12/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	504648
Title	Overview of "barn"
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Taken from southwest corner of "utility building"
Type	image/jpeg
Photo View	view to the west northwest
Source	12/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>





Photo ID	504647
Title	Overview of "barn," west edge
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Taken from south side of concrete pad west of "barn"
Type	image/jpeg
Photo View	view to the northeast
Source	12/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	504646
Title	Visible southern slab of "barn"
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Additional foundational remains located under vegetation to south (photo right)
Type	image/jpeg
Photo View	view to the east
Source	12/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>





**Photo ID** 504645  
**Title** Driveway leading into site  
**Year Taken** 2020  
**Is Circa?** ☐  
**Notes** Made of crushed concrete, not included in site boundaries.  
**Type** image/jpeg  
**Photo View** view to the northwest  
**Source** 12/23/2020 Inventory - Cultural Resource Consultants, LLC  
**Copyright** ☐



Photo ID	504644
Title	Western elevation/sill of "utility building"
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	view to the east
Source	12/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



# STATE OF WASHINGTON

## ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00779

County: Snohomish

Date: 12/22/2020

Human Remains? ☐ DAHP Case No.:

Compiled By: Jessica Gardner

Cultural Resource Consultants, LLC

Archaeological Sites are exempt from public disclosure per RCW 42.56.300

### SITE DESIGNATION

Site Name: 2006G-6

Field/Temporary ID: 2006G-6

Site Type: Historic Agriculture

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for determination of eligibility meet the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the site

☐ meets ☒ does not meet the National Register Criteria.

I recommend that this property be considered significant at the following level(s) of significance:

#### Criteria

#### Statement of Significance

The site was evaluated for significance based on NRHP criteria. For Criterion A, based on the design of the foundation, it is likely the structure was built as a dairy/livestock barn typical of broader pattern of dairy farming in the Arlington/Marysville area and does not contribute significantly to this pattern. Regarding Criterion B, the structure is of unknown build date and cannot be attributed to any specific historic person(s). As relates to Criterion C, the foundation is in moderate to poor condition with many sill and slab features left in situ. However, these features appear to be relatively common for mid-century dairy barns and lack distinctive characteristics. Regarding Criterion D, a review of the site did not reveal materials beyond the poured cement foundation which would provide as of yet unknown information concerning historic methods or events. As defined by these criteria, the site is recommended not eligible for listing on historic registers.

#### Integrity

This site refers to a set of poured concrete foundations built between 1954 and 1969. They are in moderate to poor condition, however, the demolition of the original structures has diminished the integrity of the design, feeling, materials, and workmanship. The continued construction and demolition associated with adjacent buildings has diminished the integrity of setting. The site has no known association with an historic event or person. The foundations maintain integrity of location. Based on these conditions, the site is considered to have low integrity.

#### SHPO Determination

Eligibility Potentially Eligible

Determined On 12/30/2020

Determined By

SHPO Comments

### SITE LOCATION

USGS Quad Map Name(s): ARLINGTON WEST

T: 31

R: 05

E/W: E

Section: 34

UTM: Zone: 10

Easting: 562712

Northing: 5331568

Latitude: 48.1343

Longitude: -122.1571

Elevation (ft/m):

Drainage, Major: Snohomish

Drainage, Minor: Quilceda Creek

River Mile

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00779

Page 2 of 8

<b>Aspect</b>	<b>Slope</b>
<b>Location Description</b> (General to Specific):	
The site is located in the northern Quilceda Creek drainage system, within the historic marshlands located south of the Arlington/Marysville boundaries (2020). It is within the agricultural fields to the west of the historic Edgecomb Creek ditch and within ~25 ft of said ditch.	
<b>Directions</b> (For Relocation Purposes):	
From Interstate 5 take exit 206, turning east along State Route 531/Edgecomb Road/172nd Street NE, continue east until 51st Avenue NE, turning South on 51st Avenue/Shoultes Road. Turn east on 152nd Street. After .22 miles (1,168 ft) turn north at local driveway. Foundation approximately 80 ft north of road edge.	
<b>SITE DESCRIPTION</b>	
<b>Narrative Description</b> (Overall Site Observations):	
Site is described as a set of concrete foundational slabs and sills associated with a mid to late twentieth century barn. Site is dated through historic aerial imagery (NETR 2020). Historic aerial imagery is available sporadically and may be of low quality, limiting exact dating of the structure. Available images indicated the barn was built between 1954 and 1969. A second smaller barn was built to the west between 1969 and 1980. The main barn was demolished between 2006 and 2009.	
<b>Site Dimensions</b> (Overall Site Dimensions):	
<b>Length:</b> 145 ft	<b>Direction:</b> N-S
<b>Width:</b> 100 ft	<b>Direction:</b> E-W
<b>Method of Horizontal Measurement:</b>	satellite imagery
<b>Depth:</b> unknown	<b>Method of Vertical Measurement:</b>
<b>Vegetation</b> (On Site):	
<b>Local:</b> Agricultural fields of hay with patches of canary grass, Himalayan blackberry, and other disturbance weeds.	<b>Regional:</b> Tsuga heterophylla (Western Hemlock) vegetation zone
<b>Landforms</b> (On Site):	
<b>Local:</b>	<b>Regional:</b> Located within an alluvial depression formed on a glacial plain.
<b>Water Resources</b> (Type): Part of the Quilceda Creek watershed. Originally located in marshland which is drained by the Edgecomb Creek historic ditch system.	<b>Distance:</b> ~25 ft west of Edgecomb Creek historic ditch
	<b>Permanence:</b>
<b>CULTURAL MATERIALS AND FEATURES</b>	
<b>Narrative Description</b> (Specific Inventory Details):	
The site is determined through the concrete foundational remains of the barn. These remains can be described as a series of rows oriented north to south consisting of concrete slabs with 6 inch wide by 12 and 24 inch tall sill barriers. Starting from the center of the site: A 28 feet wide aisle of fill dirt and weeds occupies the central row bound by 24 inch tall sills and narrow, 2 ft wide walkways edged in 12 inch tall sills. Approximately 28 ft wide concrete slabs create rows to each side, with 12 inch tall sills running down the center and exterior of the slabs. The foundation is approximately 100 ft by 100 ft overall with concrete slab pathways extending ~45 ft to the south.	
<b>Method of Collection:</b>	

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00779

Page 3 of 8

No materials were collected from the site.

**Location of Artifacts** (Temporary/Permanent):

In situ

## SITE AGE

**Component Type** Historic  
**Dates** c1960-2009  
**Dating Method** historic aerial imagery  
**Phase**  
**Basis for Phase Designation**

## SITE RECORDERS

**Observed By** Jessica Gardner  
**Address** PO Box 4159, Seattle, WA 98194  
**Date Recorded:** 12/22/2020  
**Recorded by** (Professional Archaeologist): Jessica Gardner  
**Organization:** Cultural Resource Consultants, LLC  
**Phone Number:** 360-572-4871  
**Address:** PO Box 4159, Seattle, WA 98194  
**Email:** Jessica.n.gardner@gmail.com

## SITE HISTORY

**Previous Archaeological Work:**

None

## LAND OWNERSHIP

Owner	Address	Parcel
Brutus Associates LLC	5246 36th Ave NE, Seattle, WA, 98105	31053400200600

## RESEARCH REFERENCES

**Items/Documents Used in Research:**

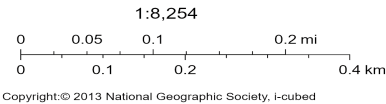
Nationwide Environmental Title Research, LLC (NETR)  
2020 Historic Aerials. Electronic Resource, <http://www.historicaerials.com/?javascript>, accessed December 22, 2020.



USGS MAP



December 30, 2020





# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00779

Page 5 of 8

## SKETCH MAPS

Source Information

12/22/2020 Inventory - Cultural Resource Consultants, LLC



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00779

Page 6 of 8

## Photographs, Tables and Additional Information



<b>Photo ID</b>	504572
<b>Title</b>	Central row of barn
<b>Year Taken</b>	2020
<b>Is Circa?</b>	<input type="checkbox"/>
<b>Notes</b>	
<b>Type</b>	image/jpeg
<b>Photo View</b>	View to the north
<b>Source</b>	12/22/2020 Inventory - Cultural Resource Consultants, LLC
<b>Copyright</b>	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00779

Page 7 of 8



Photo ID	504571
Title	Overview of site
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	view to the south
Source	12/22/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00779

Page 8 of 8



Photo ID 504570  
Title Overview of site  
Year Taken 2020  
Is Circa? ☐  
Notes  
Type image/jpeg  
Photo View view to the south-southwest  
Source 12/22/2020 Inventory - Cultural Resource Consultants, LLC  
Copyright ☐



# STATE OF WASHINGTON ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00778

County: Snohomish

Date: 12/14/2020

Human Remains? ☐ DAHP Case No.:

Compiled By: Jessica Gardner

Cultural Resource Consultants, LLC

Archaeological Sites are exempt from public disclosure per RCW 42.56.300

## SITE DESIGNATION

Site Name:

Field/Temporary ID: 2006G-5

Site Type: Historic Residential Structures

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for determination of eligibility meet the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the site

☐ meets ☐ does not meet the National Register Criteria.

I recommend that this property be considered significant at the following level(s) of significance:

### Criteria

### Statement of Significance

The site relates to the remaining foundational slab associated with the barn owned by the Norberg family, who ran a dairy farm from the property (Anderson 1910; Kroll 1960; Nicoles Funeral Home 2017). The site was evaluated for significance based on the NRHP Criteria. As regards Criterion A, the property was run as a dairy farm which relates to the broader pattern of dairy farming in the Arlington/Marysville area. However, the slab is in poor condition with limited remaining characteristics related to that enterprise. Regarding Criterion B, the site is related to the Norberg family, who owned the parcel from c 1910 through 1960. However, the general deterioration of the site limits any relatable features to the family or the farm operation. As relates to Criterion C, the foundational slab is all that remains of the original structure in situ. The remaining materials lack any distinctive elements or characteristics that relate to the construction period or design. Regarding Criterion D, the remaining slab materials are unlikely to convey any as of yet unknown information concerning historic construction or usage patterns. As defined, the site does not meet the criteria for eligibility, aside for age, and is recommended not eligible for listing on historic registers.

### Integrity

The slab relates to a previous barn as identified through historic aerals. Demolition of the barn and subsequent clearing of debris has diminished the integrity of feeling, design, materials, setting, and workmanship. While the barn slab retains integrity of location, materials piled on the slab lack integrity of location and context. This lack of context further minimizes the integrity of association with its historic construction and usage.

### SHPO Determination

Eligibility Survey/Inventory Determined On

Determined By

SHPO Comments

## SITE LOCATION

USGS Quad Map Name(s): ARLINGTON WEST

T: 31

R: 05

E/W: E

Section: 34

UTM: Zone: 10

Easting: 562759

Northing:

5331760

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00778

Page 2 of 20

**Latitude:** 48.136      **Longitude:** -122.1565      **Elevation (ft/m):**  
**Drainage, Major:** Snohomish      **Drainage, Minor:** Quilceda Creek      **River Mile**  
**Aspect**      **Slope**

## Location Description (General to Specific):

This site is located located in the northern Quilceda Creek drainage system, within the historic marshlands located near the Arlington/Marysville boundaries (2020). It is within the agricultural fields to the east of the historic Edgecomb Creek ditch and within ~25 feet of said ditch.

## Directions (For Relocation Purposes):

From Interstate 5 take exit 206, turning east along State Route 531/Edgecomb Road/172nd Street NE, continue east until 51st Avenue NE, turning South on 51st Avenue/Shoultes Road. Follow south, turning east on 152nd Street. After approximately .25 miles, turn north onto farm drive. Site is approximately .15 mile (760 ft) north of 152nd Street.

## SITE DESCRIPTION

### Narrative Description (Overall Site Observations):

Site is identified through the presence of a concrete slab and associated debris. This debris includes a Clayton steam boiler, model K-2509; a large [propane] tank; a concrete tank/vault; and a push-pile of concrete debris. A concrete ring was also observed near the southwest edge of the concrete slab. The ring had been filled with wood and metal debris and appeared to have a partially broken rim. Unfortunately, the ring was covered in vegetation hindering further investigation. Five shove probe locations near the site contained domestic debris but were negative for temporally diagnostic materials. These probes extended to the southeast of the concrete pad in the vicinity of the now-removed house.

Dating of the site is attributed through historic aerial imagery, topographic maps, and county atlases (Historic Mapworks 2020; NETR 2020; NGMDB 2020). Historic aerial imagery suggested the slab is in the location of the original barn, with an associated house located to the southeast and closer to the center of the parcel. Historic maps and atlases indicated a homestead was built on the property by 1910, possibly by Israel Norberg who owned the property by that time (Anderson 1910). The Norberg family held the property through 1960 (Kroll 1960). The barn location was not added to maps until 1969 when a 1956 map was updated through photo revision, though the barn was present in 1954 on the earliest available historic aerial imagery (NETR 2020; USGS 1956). Historic aerial imagery showed the house and barn were demolished between 1990 and 2005 (Google 2020; NETR 2020). Remnants of the house site appeared to be left in situ through 2013. By 2015 the house site was indistinguishable from the surrounding fields, suggesting the remains were likely removed and possibly added to the barn site by this time (NETR 2020).

### Site Dimensions (Overall Site Dimensions):

**Length:** 145 feet      **Direction:** E-W      **Width:** 55 feet      **Direction:** N-S  
**Method of Horizontal Measurement:** satellite imagery  
**Depth:** unknown      **Method of Vertical Measurement:** subsurface not observed

### Vegetation (On Site):

**Local:** Agricultural fields of hay with patches of canary grass, Himalayan blackberry, and other disturbance weeds.      **Regional:** Tsuga heterophylla (Western Hemlock) vegetation zone

### Landforms (On Site):

**Local:** Site is located within converted agricultural fields.      **Regional:** Located within an alluvial depression formed on a glacial plain.

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00778

Page 3 of 20

<b>Water Resources (Type):</b>	Part of the Quilceda Creek watershed. Originally located in marshland which is drained by the Edgecomb Creek historic ditch system.	<b>Distance:</b>	~25 ft east of Edgecomb Creek historic ditch	<b>Permanence:</b>	
--------------------------------	---	------------------	--	--------------------	--

## CULTURAL MATERIALS AND FEATURES

### Narrative Description (Specific Inventory Details):

The site is primarily dated through historic imagery and maps. Materials associated with the site are supplemental but generally lack temporally diagnostic markings, save the steam boiler. The steam boiler is a Clayton Model K-2509. Clayton Industries has been producing steam boilers since 1930, though a date for this model has yet to be identified (Clayton Industries 2020). A large tank for gas or liquid was also observed on site, possibly associated with steam boiler use. A large concrete vault and associated partial lid, measuring 4 feet wide by 5 feet long and 3 feet tall, was also left askew on the concrete pad. Gravels associated with the driveway were observed in probe 708 to the south of the southwest corner. Materials observed in the remaining probes were observed in the upper 20 cm and included: mammal bone fragments, window pane shards, aqua container glass shard, white ceramic and/or porcelain shards, and a piece of metal.

### Method of Collection:

No objects were collected from the site.

### Location of Artifacts (Temporary/Permanent):

In situ

## SITE AGE

<b>Component Type</b>	Historic
<b>Dates</b>	c.1910-2000
<b>Dating Method</b>	topographic maps and historic aerial imagery
<b>Phase</b>	
<b>Basis for Phase Designation</b>	

## SITE RECORDERS

<b>Observed By</b>	<b>Address</b>
Jessica Gardner	PO Box 4159, Seattle, WA 98194
<b>Date Recorded:</b>	12/14/2020
<b>Recorded by (Professional Archaeologist):</b>	Jessica Gardner
<b>Organization:</b>	Cultural Resource Consultants, LLC
<b>Phone Number:</b>	360-572-4871
<b>Address:</b>	PO Box 4159, Seattle, WA 98194
<b>Email:</b>	Jessica.n.gardner@gmail.com

## SITE HISTORY

### Previous Archaeological Work:

None

**ARCHAEOLOGICAL SITE INVENTORY FORM**

Smithsonian Number: 45SN00778

Page 4 of 20

LAND OWNERSHIP		
Owner	Address	Parcel
Arlington TL Associates	2703 NE 95th, Seattle, WA, 98115	31053400200400

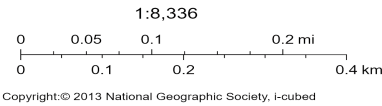
RESEARCH REFERENCES
<p><b>Items/Documents Used in Research:</b></p> <p>Anderson Map Company (Anderson) 1910 Township 31 N., Range 5 E. W.M., In Snohomish County Township Atlas. Anderson Map Company, Seattle.; Clayton Industries 2020 Home. Electronic document, <a href="https://www.claytonindustries.com/">https://www.claytonindustries.com/</a>, accessed December 22, 2020. Google, Inc. 2020 Google Earth Pro (Version 7.1.7.2606). [Software] Available from <a href="https://www.google.com/work/earthmaps/earthpro.html">https://www.google.com/work/earthmaps/earthpro.html</a>, accessed December 22, 2020.; Historic Map Works 2020 Historic Map Works: Residential Genealogy. Electronic Resource, <a href="http://www.historicmapworks.com/Browse/United_States/Washington/Page2/">http://www.historicmapworks.com/Browse/United_States/Washington/Page2/</a>, accessed July 29, 2020.; Kroll Map Company (Kroll) 1960 Township 31 N., Range 5 E. W.M., In Kroll's Atlas of King County. Kroll Map Company, Seattle.; Nationwide Environmental Title Research, LLC (NETR) 2020 Historic Aerials. Electronic Resource, <a href="http://www.historicaerials.com/?javascript">http://www.historicaerials.com/?javascript</a>, accessed December 11, 2020. National Geologic Map Database (NGMDB) 2020 TopoView. Electronic resource, <a href="https://ngmdb.usgs.gov/topoview/">https://ngmdb.usgs.gov/topoview/</a>, accessed August 5, 2020.; Nicoles Funeral Home 2017 Shirley Lou (Norberg) Morris Obituary. Electronic document, <a href="https://www.nicolesfuneralhome.com/obituaries/Shirley-Morris-10/#!/Obituary">https://www.nicolesfuneralhome.com/obituaries/Shirley-Morris-10/#!/Obituary</a>, accessed December 23, 2020. United States Geological Survey (USGS) 1956 Arlington West quadrangle, Washington 1:24,000 7.5-Minute Series, 1969 edition. USGS, Washington, D.C.</p>



USGS MAP



December 30, 2020



**SKETCH MAPS**



Photo ID	504547
Title	Overview of 2006G-5
Year Taken	
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	12/14/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Page 8 of 20

Smithsonian Number: 45SN00778



Photo ID	503976
Title	Steam Boiler detail, model plate
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Clayton model K-2509
Type	image/jpeg
Photo View	
Source	12/14/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00778

Page 9 of 20



Photo ID	503975
Title	Steam boiler detail, gauge plate
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Clayton model K-2509
Type	image/jpeg
Photo View	
Source	12/14/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	503974
Title	Steam boiler overview
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	
Copyright	<input type="checkbox"/>





Photo ID	503973
Title	Steam Boiler overview
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00778

Page 12 of 20



Photo ID	503972
Title	Tank and Concrete vault
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Debris pile in background
Type	image/jpeg
Photo View	view to the east
Source	
Copyright	<input type="checkbox"/>



ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00778

Page 13 of 20



Photo ID	503971
Title	Circular cement structure with metal and wood debris fill
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Unknown purpose. Feature covered in vegetation limiting access.
Type	image/jpeg
Photo View	view to the north
Source	
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Page 14 of 20

Smithsonian Number: 45SN00778



Photo ID	503970
Title	Downed domestic electric pole
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	located in southwest quarter of site
Type	image/jpeg
Photo View	view to the west
Source	
Copyright	<input type="checkbox"/>





Photo ID	503969
Title	Overview of site
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Taken from southwest corner; H. blackberry mound covers debris pile and represents east end of site
Type	image/jpeg
Photo View	view to the east northeast
Source	
Copyright	<input type="checkbox"/>



Photo ID	503968
Title	Overview of west end of site
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	View to the north
Source	
Copyright	<input type="checkbox"/>



**Photo ID** 503967  
**Title** Overview of raised driveway  
**Year Taken** 2020  
**Is Circa?** ☐  
**Notes** Driveway leads southerly from west end of site, along east bank of Edgecomb Creek  
**Type** image/jpeg  
**Photo View** view to the south  
**Source**  
**Copyright** ☐





Photo ID	503966
Title	Overview of site
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Taken southeast of site, near STP 687
Type	image/jpeg
Photo View	view to the northwest
Source	
Copyright	<input type="checkbox"/>



Photo ID	503965
Title	Example of concrete debris below H. blackberry mound
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	View to the north
Source	
Copyright	<input type="checkbox"/>





Photo ID	503964
Title	Overview of east end of concrete foundation
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Cement Vault in background, H. blackberry mound to right, cleared grass represents visible sill of foundation
Type	image/jpeg
Photo View	view to the north
Source	
Copyright	<input type="checkbox"/>





# STATE OF WASHINGTON ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00777

County: Snohomish

Date: 12/11/2020

Human Remains? ☐ DAHP Case No.:

Compiled By: Jessica Gardner

Cultural Resource Consultants, LLC

Archaeological Sites are exempt from public disclosure per RCW 42.56.300

## SITE DESIGNATION

Site Name:

Field/Temporary ID: 2006G-3

Site Type: Pre Contact Isolate

Pre Contact Lithic Material

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for determination of eligibility meet the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the site

☐ meets ☐ does not meet the National Register Criteria.

I recommend that this property be considered significant at the following level(s) of significance:

Criteria

Statement of Significance

Integrity

## SHPO Determination

Eligibility Survey/Inventory

Determined On

Determined By

SHPO Comments

## SITE LOCATION

USGS Quad Map Name(s): ARLINGTON WEST

T: 31

R: 05

E/W: E

Section: 27

UTM: Zone: 10

Easting: 562460

Northing: 5331940

Latitude: 48.1376

Longitude: -122.1605

Elevation (ft/m):

Drainage, Major: Snohomish

Drainage, Minor: Quilceda Creek

River Mile

Aspect

Slope

Location Description (General to Specific):

The isolate is located in the northern Quilceda Creek drainage system, within the historic marshlands located near the Arlington/Marysville boundaries (2020). It is within the agricultural fields to the west of the historic Edgecomb Creek ditch, within ~285 meters west of said ditch, and east of Westphal Creek, within ~108 meters east of said ditch.

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00777

Page 2 of 12

## Directions (For Relocation Purposes):

From Interstate 5 take exit 206, turning east along State Route 531/Edgecomb Road/172nd Street NE, continue east until 51st Avenue NE, turning South on 51st Avenue/Shoultes Road. At 15601-16373 Shoultes Rd enter the agricultural fields, following the fence line to the southwest corner of the parcel. Isolate location is approximately 30 m northeast of the parcel corner.

## SITE DESCRIPTION

### Narrative Description (Overall Site Observations):

Site is identified as a lithic isolate consisting of one reduction flake, made of fine grained blue/green-gray volcanic rock with a quartz seam. The flake was observed within 15 cm of the surface, within the 30 cm deep plow zone. Site is located within historically mapped marshland and situated on a slight rise above a local depression. 5 m delineations were negative for cultural materials.

### Site Dimensions (Overall Site Dimensions):

**Length:** .5 meters **Direction:** N-S **Width:** .5 meters **Direction:** E-W  
**Method of Horizontal Measurement:** tape  
**Depth:** .3 meters **Method of Vertical Measurement:** tape, plow zone

### Vegetation (On Site):

**Local:** Agricultural fields currently maintained as hay fields. **Regional:** Tsuga heterophylla (Western Hemlock) vegetation zone

### Landforms (On Site):

**Local:** Isolate located within converted agricultural fields. **Regional:** Located within a mapped alluvial depression formed on a glacial plain.

**Water Resources (Type):** Part of the Quilceda Creek watershed. Originally located in marshland which is drained by Westphal Creek and the Edgecomb Creek historic ditch system. **Distance:** ~285 m west of Edgecomb Creek historic ditch **Permanence:**

## CULTURAL MATERIALS AND FEATURES

### Narrative Description (Specific Inventory Details):

Artifact is a single flake of greenish/bluish gray volcanic rock with a quartz seam. Flake appears to be tertiary/reduction flake. It measures 2.9 cm long by 1.8 cm wide, by .5 cm thick.

### Method of Collection:

Artifact will be donated by the client to the Stillaguamish Tribe of Indians.

### Location of Artifacts (Temporary/Permanent):

Artifact is currently held in Stillaguamish Tribe of Indians Collections.

## SITE AGE

**Component Type** Precontact  
**Dates** Precontact  
**Dating Method** N/A

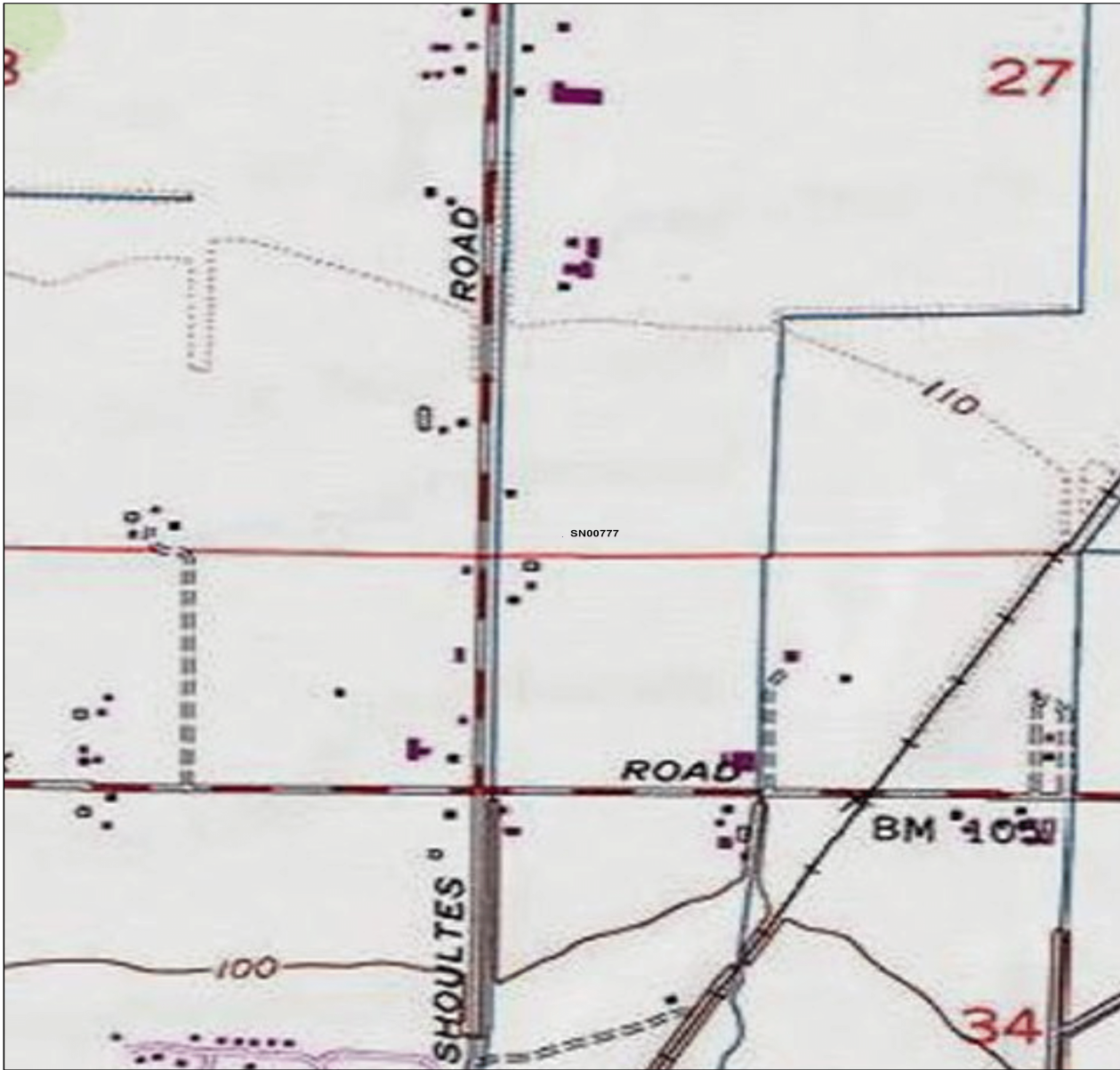
# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00777

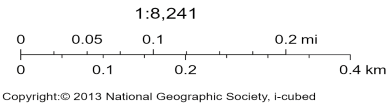
Page 3 of 12

<b>Phase</b>		
<b>Basis for Phase Designation</b>		
<b>SITE RECORDERS</b>		
<b>Observed By</b>	<b>Address</b>	
Jessica Gardner	PO Box 4159, Seattle, WA 98194	
<b>Date Recorded:</b>	12/11/2020	
<b>Recorded by</b> (Professional Archaeologist):	Jessica Gardner	
<b>Organization:</b>	Cultural Resource Consultants, LLC	<b>Phone Number:</b> 360-572-4871
<b>Address:</b>	PO Box 4159, Seattle, WA 98194	<b>Email:</b> Jessica.n.gardner@gmail.com
<b>SITE HISTORY</b>		
<b>Previous Archaeological Work:</b>		
None		
<b>LAND OWNERSHIP</b>		
<b>Owner</b>	<b>Address</b>	<b>Parcel</b>
Steiner Farms LLC	16015 51st Avenue NE, Marysville, WA, 98271-7507	31052700300500
<b>RESEARCH REFERENCES</b>		
<b>Items/Documents Used in Research:</b>		
United States Geological Survey (USGS) 1956 Arlington West quadrangle, Washington 1:24,000 7.5-Minute Series, 1957 edition. USGS, Washington, D.C.; United States Surveyor General (USSG) 1875 Township No 31 North, Range No 5 East, Willamette Meridian. General Land Office Survey Plat. Department of Interior General Land Office, Washington, D.C.		

USGS MAP

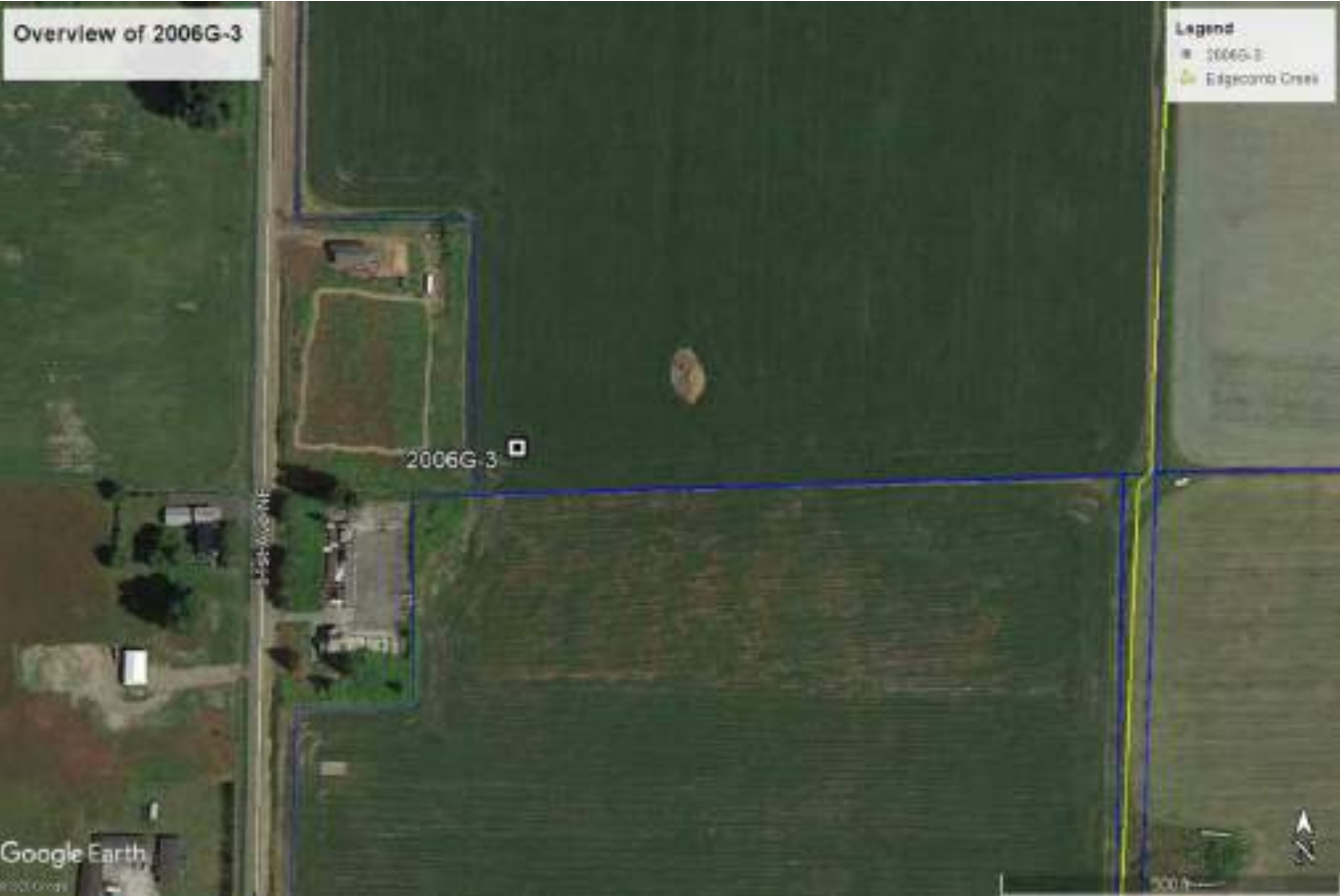


December 30, 2020



SKETCH MAPS

Source Information 12/11/2020 Inventory - Cultural Resource Consultants, LLC



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00777

Page 6 of 12

## Photographs, Tables and Additional Information



Photo ID	503082
Title	Dorsal view of lithic
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	12/11/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



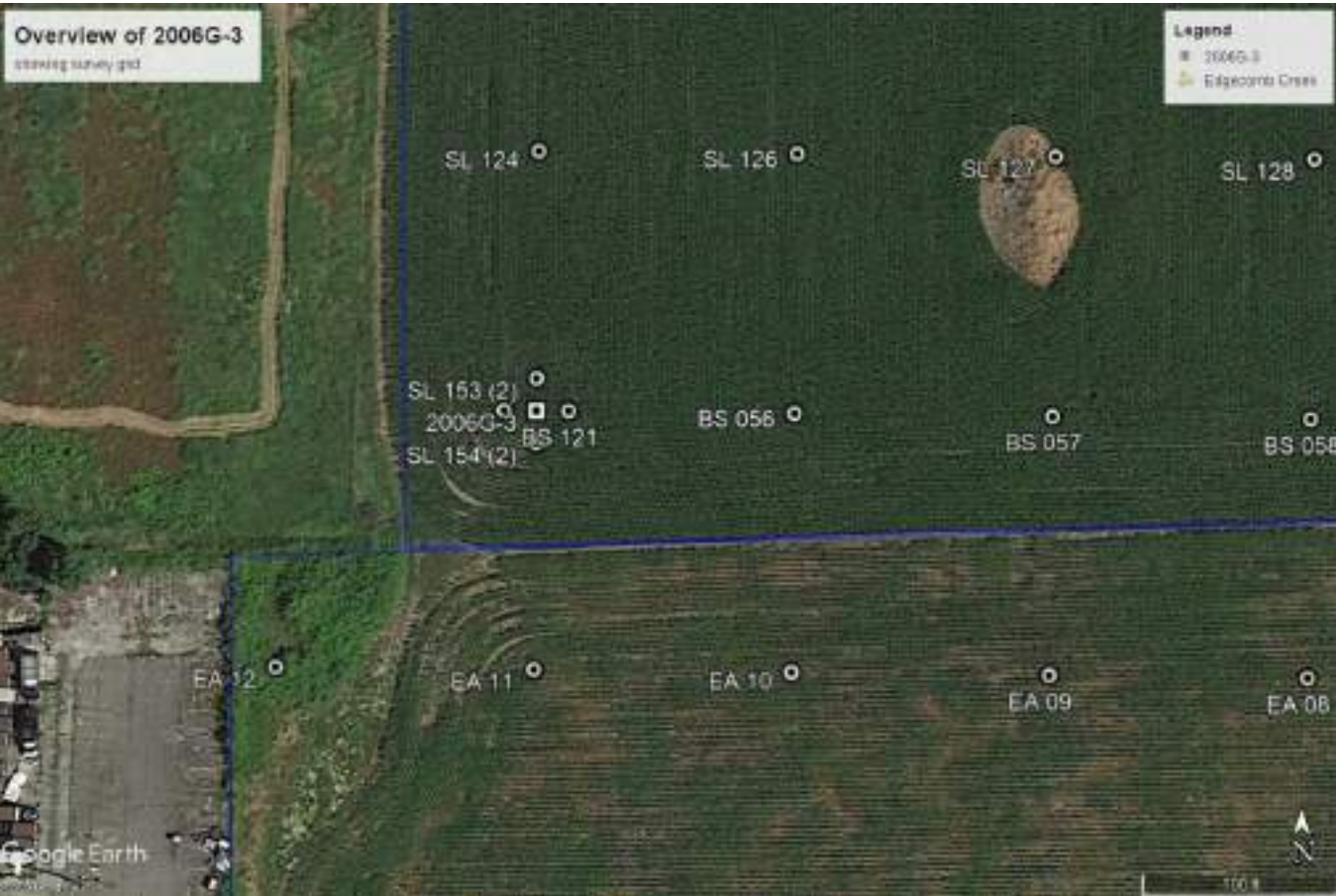


Photo ID	503086
Title	Aerial map of 2006G-3 with survey grid
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Overview of isolate in relation to landscape, blue lines represent estimated parcel. Delineations negative for cultural materials.
Type	image/jpeg
Photo View	
Source	12/11/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

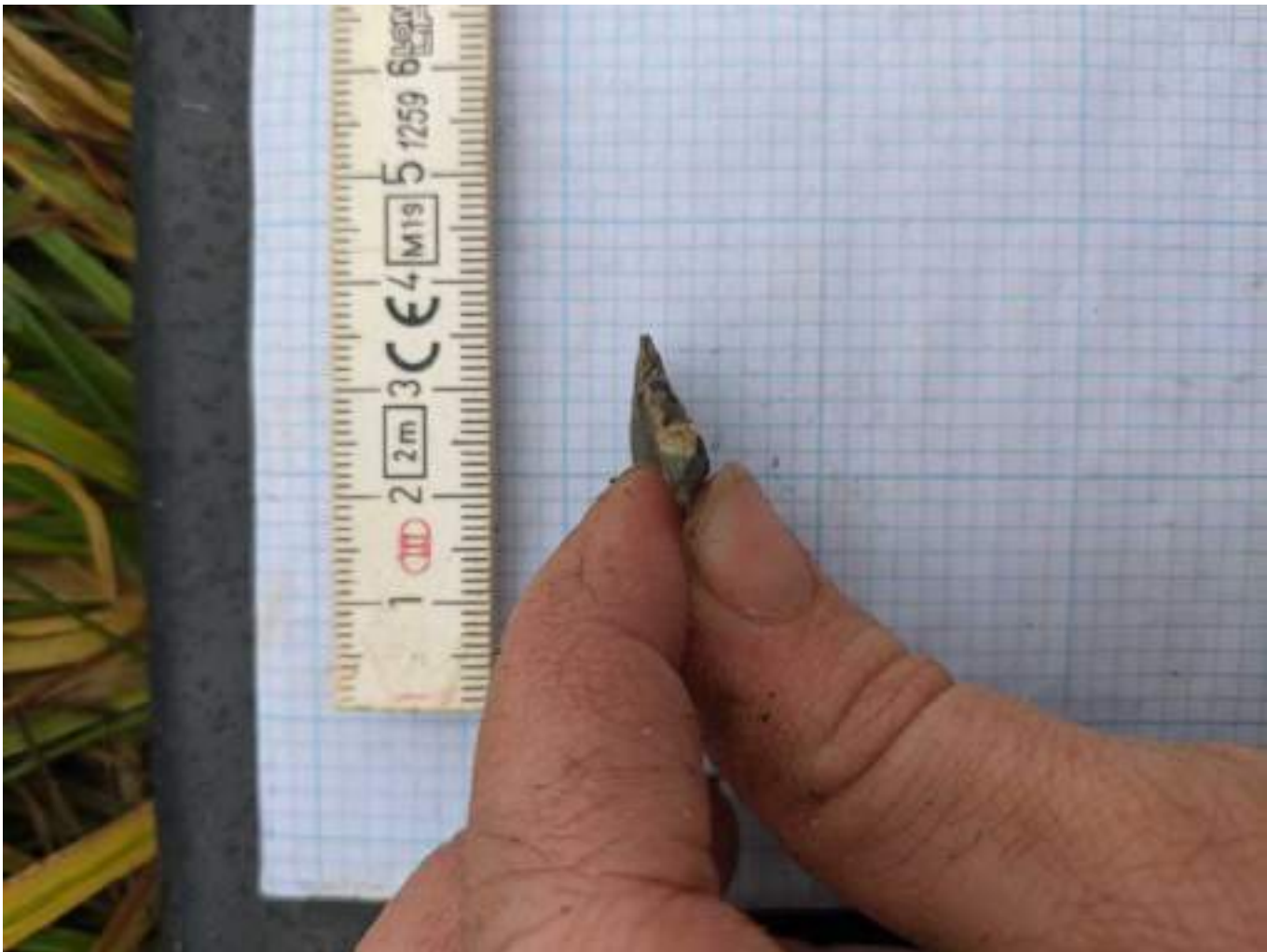


Photo ID	503084
Title	Proximal/platform view of lithic
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	12/11/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00777

Page 9 of 12



Photo ID	503083
Title	Ventral view of lithic
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	12/11/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00777

Page 10 of 12



Photo ID	503081
Title	Dorsal view of lithic
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	12/11/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	503079
Title	Overview of 2006G-3 location
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	stake in center represents isolate location, slight depression (thick grasses) background right
Type	image/jpeg
Photo View	South
Source	12/11/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>





Photo ID	503078
Title	Overview of 2006G-3 location
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	stake in center represents isolate location, 51st Avenue (powerlines) in background
Type	image/jpeg
Photo View	West
Source	12/11/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



# STATE OF WASHINGTON ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00776

County: Snohomish

Date: 11/6/2020

Human Remains? ☐ DAHP Case No.:

Compiled By: Jessica Gardner

Cultural Resource Consultants, LLC

Archaeological Sites are exempt from public disclosure per RCW 42.56.300

## SITE DESIGNATION

Site Name:

Field/Temporary ID: 2006G-4

Site Type: Historic Structures Not Specified

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for determination of eligibility meet the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the site

☐ meets ☒ does not meet the National Register Criteria.

I recommend that this property be considered significant at the following level(s) of significance:

### Criteria

### Statement of Significance

The site relates to a slab foundation for an outbuilding of unknown use. The site was evaluated for significance based on NRHP criteria. As regards Criterion A, the site is on lands which were operated as a dairy farm which contributed to the broader pattern of dairy farming in the Arlington/Marysville area. The site is of indeterminant use and poor condition, which limits the integrity of this association. Regarding Criterion B, the site is associated with dairy farmer Lucien Roth, however, the poor condition of the site limits the integrity of the association. For Criterion C, the concrete slab is of minima design and material. The site lacks distinctive characteristics which could relate to the design or period of construction of the original structure. Finally, as regards to Criterion D, a review of the site did not identify additional remains beyond the slab which would contribute as yet unknown information concerning the historic construction or use of the site. The site is therefore recommended not eligible for listing on historic registers under these criteria.

### Integrity

The site relates to a concrete slab whose general age and purpose are currently unknown. Documentation for the site is limited to historic aerial imagery which is available beginning in 1954. This imagery connected the structure to historic 59th Ave (Resource ID 704196) via a driveway. The road was abandoned by 1969 and subsequent images are intermittently available (NETR 2020). It is unclear when the structure was demolished. The demolition of the structure and removal of debris has minimized the integrity of design, feeling, materials, and workmanship. The poor condition of the slab provides minimal integrity of association with historic persons, patterns, or events. Of the seven aspects, only setting and location remain largely intact.

### SHPO Determination

Eligibility Potentially Eligible

Determined On 12/30/2020

Determined By

SHPO Comments

## SITE LOCATION

USGS Quad Map Name(s): ARLINGTON WEST

T: 31

R: 05

E/W: E

Section: 27

UTM: Zone: 10

Easting: 563107

Northing:

5332438

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00776

Page 2 of 9

**Latitude:** 48.1421      **Longitude:** -122.1517      **Elevation (ft/m):**  
**Drainage, Major:** Snohomish      **Drainage, Minor:** Quilceda Creek      **River Mile**  
**Aspect**      **Slope**

## Location Description (General to Specific):

The isolate is located in the northern Quilceda Creek drainage system, within the historic marshlands located near the Arlington/Marysville boundaries (2020). It is within the agricultural fields to the west of the historic Edgecomb Creek ditch and within ~70 feet of said ditch.

## Directions (For Relocation Purposes):

From Interstate 5 take exit 206, turning east along State Route 531/Edgecomb Road/172nd Street NE, continue east until 51st Avenue NE, turning South on 51st Avenue/Shoultes Road. At 15601-16373 Shoultes Rd enter the agricultural fields, following the farm road to the east and north. After .62 miles, approach site. Site is located just west of the 59th Ave berm and the Edgecomb Creek farm road culvert.

## SITE DESCRIPTION

### Narrative Description (Overall Site Observations):

Site is described as an approximate 12 m by 52 m (~40 ft x ~170 ft) area of concrete pad and field debris. This area is unmaintained and was covered at time of inspection with grasses, Himalayan blackberry, and mosses, limiting full analysis of concrete pad. Observed debris consisted of two piles of fence posts with electric fence insulators still attached. Insulators included white ceramic and black plastic styles. Site is approached from the southeast and east-northeast by farm roads with imported gravels in disturbed sediments.

Dating of the site is limited to available historic aerial images (NETR 2020). Available images are intermittently available and generally of low quality, limiting overall analysis. The earliest image available was taken in 1954, showing a structure in a similar location to the site. A structure appears irregularly through 1990. The parcel on which it sits was owned by Lucien Roth until his death in 1957 and was sold to the Steiner family in 1958 (Gardner and Berger 2020). As the building was present in 1954 historic aerial imagery, it is likely it was built by Lucien Roth, who owned the property by 1927 (Metsker 1927).

### Site Dimensions (Overall Site Dimensions):

**Length:** ~40 ft      **Direction:** E-W      **Width:** ~170 ft      **Direction:** N-S  
**Method of Horizontal Measurement:**      pacing and satellite imagery  
**Depth:** surface      **Method of Vertical Measurement:**      subsurface not observed

### Vegetation (On Site):

**Local:** Vegetation is typical of agricultural/disturbed environments, being mainly grasses, Himalayan blackberry, and mosses.  
**Regional:** Tsuga heterophylla (Western Hemlock) vegetation zone

### Landforms (On Site):

**Local:** Site is located within converted agricultural fields.  
**Regional:** Located within an alluvial depression formed on a glacial plain.

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00776

Page 3 of 9

<b>Water Resources (Type):</b>	Part of the Quilceda Creek watershed. Located in historic marshland which is drained by the Edgecomb Creek historic ditch system.	<b>Distance:</b>	~70 ft. west of Edgecomb Creek	<b>Permanence:</b>	
--------------------------------	--	------------------	--------------------------------	--------------------	--

## CULTURAL MATERIALS AND FEATURES

### Narrative Description (Specific Inventory Details):

The site is defined through the presence of a concrete pad and historic aerial imagery. While fence posts with ceramic insulators are present on the site, these are likely displaced and unrelated to the original function of the site and therefore do not contribute to the age of the site.

### Method of Collection:

No items collected.

### Location of Artifacts (Temporary/Permanent):

In situ

## SITE AGE

<b>Component Type</b>	Historic
<b>Dates</b>	mid 20th century
<b>Dating Method</b>	historic aerial imagery
<b>Phase</b>	
<b>Basis for Phase Designation</b>	

## SITE RECORDERS

<b>Observed By</b>	<b>Address</b>		
Jessica Gardner	PO Box 4159, Seattle, WA 98194		
<b>Date Recorded:</b>	11/6/2020		
<b>Recorded by (Professional Archaeologist):</b>	Jessica Gardner		
<b>Organization:</b>	Cultural Resource Consultants, LLC	<b>Phone Number:</b>	360-572-4871
<b>Address:</b>	PO Box 4159, Seattle, WA 98194	<b>Email:</b>	Jessica.n.gardner@gmail.com

## SITE HISTORY

### Previous Archaeological Work:

None

## LAND OWNERSHIP

<b>Owner</b>	<b>Address</b>	<b>Parcel</b>
Steiner Farms LLC	16015 51st Avenue NE, Marysville, WA, 98271-7507	31052700300200

## RESEARCH REFERENCES

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00776

Page 4 of 9

## Items/Documents Used in Research:

Gardner, J. and M. Berger

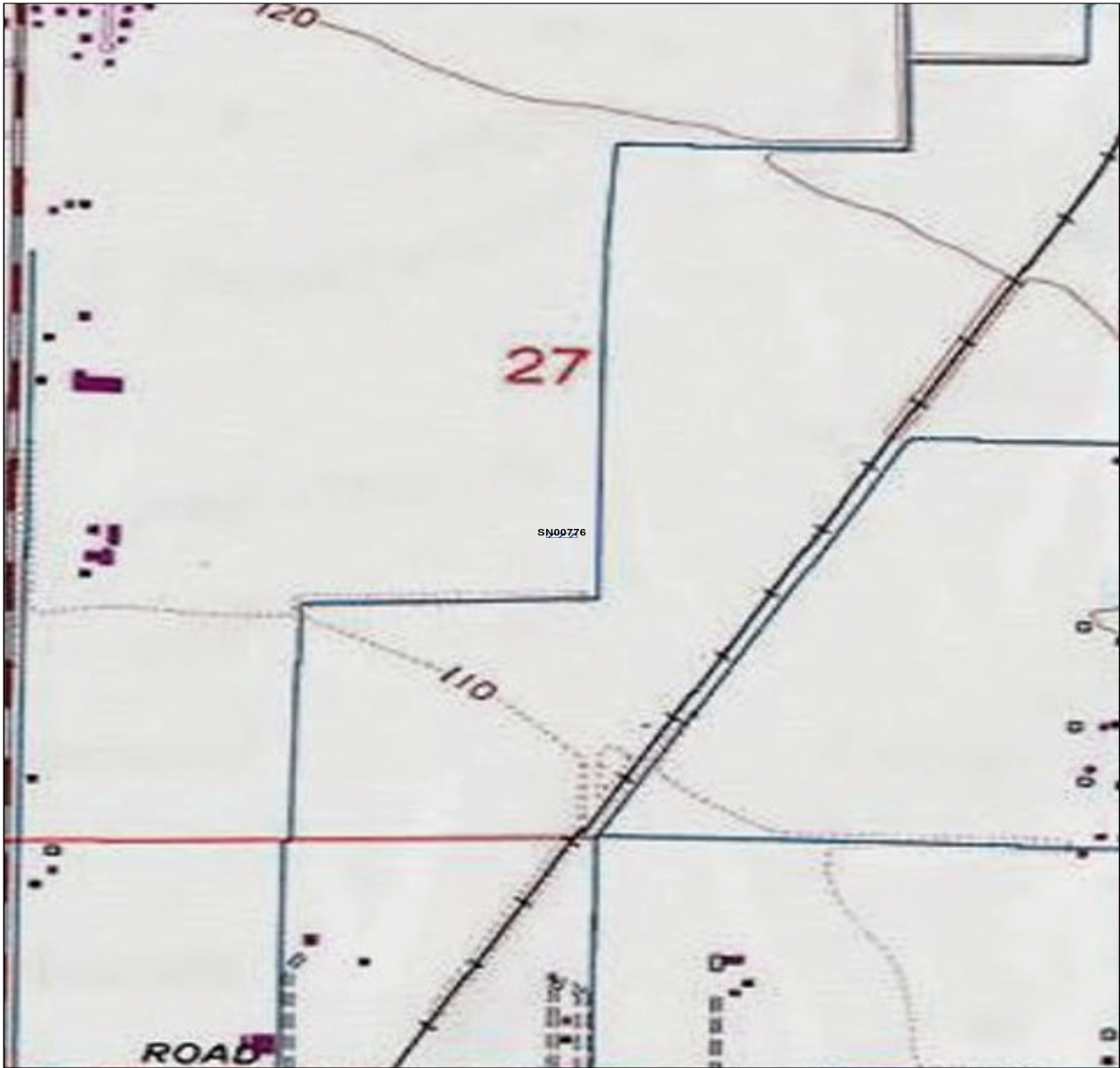
2020 Cultural Resources Assessment for the Cascade Commerce Center Project, Marysville, Snohomish County, Washington. Cultural Resource Consultants, Seattle. Submitted to Northpoint Development.;

Nationwide Environmental Title Research, LLC (NETR)

2020 Historic Aerials. Electronic Resource, <http://www.historicaerials.com/?javascript>, accessed December 11, 2020.



USGS MAP



December 30, 2020

1:8,298  
0 0.05 0.1 0.2 mi  
0 0.1 0.2 0.4 km  
Copyright:© 2013 National Geographic Society, I-cubed

SKETCH MAPS

Source Information 11/6/2020 Inventory - Cultural Resource Consultants, LLC



Photographs, Tables and Additional Information



Photo ID	498946
Title	Overview of Concrete pad area
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	View from Edgecomb Creek culvert
Type	image/jpeg
Photo View	view to the west
Source	11/6/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>





Photo ID	498945
Title	Overview of Concrete pad area
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Pile of fence posts under H. blackberries
Type	image/jpeg
Photo View	ENE
Source	11/6/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00776

Page 9 of 9



Photo ID            498944  
Title                east pile of fence posts  
Year Taken        2020  
Is Circa?         ☐  
Notes  
Type                image/jpeg  
Photo View        view to the north  
Source             11/6/2020 Inventory - Cultural Resource Consultants, LLC  
Copyright         ☐



# STATE OF WASHINGTON ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

County: Snohomish

Date: 11/6/2020

Human Remains? ☐ DAHP Case No.:

Compiled By: Jessica Gardner

Cultural Resource Consultants, LLC

Archaeological Sites are exempt from public disclosure per RCW 42.56.300

## SITE DESIGNATION

Site Name: 59th Ave/Marysville Northern Railroad berm

Field/Temporary ID:

Site Type: Historic Road

Historic Railroad Properties

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for determination of eligibility meet the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the site

☐ meets ☒ does not meet the National Register Criteria.

I recommend that this property be considered significant at the following level(s) of significance:

### Criteria

### Statement of Significance

This segment of the Marysville and Northern Railroad (M&N RR) grade turned 59th Avenue dirt roadbed was evaluated for significance based on NRHP criteria. Regarding Criterion A, the M&N RR can be associated with the development of regional rail commerce in Snohomish County; however, this segment can no longer be associated with this development due to the removal of all railroad elements aside from the berm which may have been altered for use as a road. This segment was also platted as 59th Avenue, which can be connected with intended development of the Arlington area; however, the roadbed appears to be unimproved and lacks further connection with this intention. As regards Criterion B, there are no known significant historical persons associated with this segment of M&N RR and platted 59th Ave that would make it eligible under this criterion. Regarding Criterion C, the berm or grade is the only remaining feature of the potential RR and local dirt road. This feature does not convey elements that would be distinctive in design or period of construction. Finally, as regards Criterion D, a review of the length of the berm suggests features aside from the grade prism or associated artifacts that could contribute information to the historic narrative of the M&N RR or 59th Ave are absent. According to the defined criteria, this segment of the M&N RR and the 59th Ave road berm does not meet criteria of eligibility for listing on historic registers, other than the age threshold.

### Integrity

This segment of the M&N RR grade appears to have diminished integrity. The removal of railroad materials and further alteration of the berm for use as a dirt road has greatly reduced the integrity of design, materials, and workmanship. The addition of the Edgecomb Creek drainage ditch (Property ID 100155) and altered path for the (current) BNSF railroad have altered the integrity of feeling and setting. The property lacks known association with a significant historical person or event. Of the seven aspects, the berm likely retains integrity of location.

### SHPO Determination

Eligibility Potentially Eligible

Determined On 12/30/2020

Determined By

SHPO Comments

## SITE LOCATION

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

Page 2 of 13

**USGS Quad Map Name(s):** ARLINGTON WEST

**T:** 31

**R:** 05

**E/W:** E

**Section:** 27

**UTM: Zone:**

**Easting:**

**Northing:**

**Latitude:**

**Longitude:**

**Elevation (ft/m):**

**Drainage, Major:** Snohomish

**Drainage, Minor:** Quilceda Creek

**River Mile**

**Aspect**

**Slope**

**Location Description** (General to Specific):

The berm is located in the northern Quilceda Creek drainage system, within the historic marshlands located near the Arlington/Marysville boundaries (2020). The northern three-quarters is located parallel and adjacent to the Edgecomb Creek ditch. The southern quarter continues south after Edgecomb Creek cuts through the berm and flows west.

**Directions** (For Relocation Purposes):

From Interstate 5 take exit 206, turning east along State Route 531/Edgecomb Road/172nd Street NE, continue east until 51st Avenue NE, turning South on 51st Avenue/Shoultes Road. At 15601-16373 Shoultes Rd enter the agricultural fields, following the farm road to the east and north. After .57 miles, encounter south-half of railroad/road berm.

## SITE DESCRIPTION

**Narrative Description** (Overall Site Observations):

The site is identified as a 12 foot wide compacted berm likely associated with platted 59th Avenue. It may also be associated with the previous Marysville and North Railroad Grade. The berm is located adjacent to the historic Edgecomb Creek ditch to the east, which cuts through the southern half before flowing west. A probe placed on the western toe slope of the berm encountered burnt wood chunks in displaced/imported fill materials above intact, relict topsoil.

**Site Dimensions** (Overall Site Dimensions):

**Length:** 2621 ft

**Direction:** N-S

**Width:** 12 ft

**Direction:** E-W

**Method of Horizontal Measurement:**

satellite imagery for length, tape for width

**Depth:** 2 ft

**Method of Vertical Measurement:** tape

**Vegetation** (On Site):

**Local:** Vegetation typical of disturbed/agricultural habitats: hay grasses, canary grasses and belladonna on creek (east) facing slope, Himalayan blackberry, few well-spaced deciduous trees near edge of berm

**Regional:** Tsuga heterophylla (Western Hemlock) vegetation zone

**Landforms** (On Site):

**Local:** Berm is located within converted agricultural fields and bounded to the east by a man-made creek bed.

**Regional:** Located within an alluvial depression formed on a glacial plain.

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

Page 3 of 13

<b>Water Resources (Type):</b>	Part of the Quilceda Creek watershed. Located in historically recorded marshland which is drained by the Edgecomb Creek historic ditch system.	<b>Distance:</b>	0 ft west of Edgecomb Creek	<b>Permanence:</b>	
--------------------------------	---	------------------	-----------------------------	--------------------	--

## CULTURAL MATERIALS AND FEATURES

### Narrative Description (Specific Inventory Details):

Site is defined by built landscape feature. Berm measures approximately 12 feet wide and 2 feet tall and is made of compacted fill materials. No artifacts or cultural materials were associated.

### Method of Collection:

No collection

### Location of Artifacts (Temporary/Permanent):

In situ

## SITE AGE

<b>Component Type</b>	Historic
<b>Dates</b>	c.1910-1960
<b>Dating Method</b>	historic topographic maps, atlases, and aerial imagery
<b>Phase</b>	M&N Railroad berm (c.1910-1930); 59th Avenue berm (c.1950-60)
<b>Basis for Phase Designation</b>	

## SITE RECORDERS

<b>Observed By</b>	<b>Address</b>
Jessica Gardner	PO Box 4159, Seattle, WA 98194
<b>Date Recorded:</b>	11/6/2020
<b>Recorded by (Professional Archaeologist):</b>	Jessica Gardner
<b>Organization:</b>	Cultural Resource Consultants, LLC
<b>Phone Number:</b>	360-572-4871
<b>Address:</b>	PO Box 4159, Seattle, WA 98194
<b>Email:</b>	Jessica.n.gardner@gmail.com

## SITE HISTORY

### Previous Archaeological Work:

None

## LAND OWNERSHIP

<b>Owner</b>	<b>Address</b>	<b>Parcel</b>
--------------	----------------	---------------

## RESEARCH REFERENCES



## ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

Page 4 of 13

### Items/Documents Used in Research:

Anderson Map Company (Anderson)

1910 Township 31 N., Range 5 E. W.M., In Snohomish County Township Atlas. Anderson Map Company, Seattle.;  
Historic Map Works

2020 Historic Map Works: Residential Genealogy. Electronic Resource,

[http://www.historicmapworks.com/Browse/United\\_States/Washington/Page2/](http://www.historicmapworks.com/Browse/United_States/Washington/Page2/), accessed July 29, 2020.;

Kroll Map Company (Kroll)

1934 Township 31 N., Range 5 E. W.M., In Kroll's Atlas of King County. Kroll Map Company, Seattle.;

1960 Township 31 N., Range 5 E. W.M., In Kroll's Atlas of King County. Kroll Map Company, Seattle.;

Metsker Maps (Metsker)

1927 Township 31 N., Range 5 E. W.M. In Metsker's Map of Snohomish County, Washington. Metsker Maps, Seattle.;

Nationwide Environmental Title Research, LLC (NETR)

2020 Historic Aerials. Electronic Resource, <http://www.historicaerials.com/?javascript>, accessed December 11, 2020.;

United States Geological Survey (USGS)

1911 Mount Vernon quadrangle, Washington 1:125,000 30-Minute Series. USGS, Washington, D.C.

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

Page 5 of 13

USGS MAP



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

Page 6 of 13

## SKETCH MAPS

Source Information

11/6/2020 Inventory - Cultural Resource Consultants, LLC



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

Page 7 of 13

## Photographs, Tables and Additional Information



**Photo ID** 503113

**Title** Profile of shovel probe JG 181

**Year Taken** 2020

**Is Circa?** ☐

**Notes** Unit placed on western toe slope of berm, south of farm culvert, upper 40 cm appear to be fill/disturbed  
**Type** image/jpeg

**Photo View**

**Source** 11/6/2020 Inventory - Cultural Resource Consultants, LLC

**Copyright** ☐



Photo ID	503112
Title	Berm cut by Edgecomb Creek
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Cut through berm by Edgecomb Creek as it turns west; taken from north edge of creek, west of cut
Type	image/jpeg
Photo View	view to east
Source	11/6/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

Page 9 of 13



Photo ID	503111
Title	Berm and Edgecomb creek south of farm culvert
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Taken from center of farm culvert
Type	image/jpeg
Photo View	south
Source	11/6/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	503110
Title	Overview of south end of berm
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Taken from southeast of turn in Edgecomb Creek
Type	image/jpeg
Photo View	south-southwest
Source	11/6/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00775

Page 11 of 13



Photo ID 503109  
Title Overview of south end of berm  
Year Taken 2020  
Is Circa? ☐  
Notes Taken from center berm, south end  
Type image/jpeg  
Photo View view to the north  
Source 11/6/2020 Inventory - Cultural Resource Consultants, LLC  
Copyright ☐





Photo ID	503108
Title	Overview of south end of berm
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Taken from center berm, south of turn in Edgecomb Creek
Type	image/jpeg
Photo View	South
Source	11/6/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	503107
Title	Overview of north end of berm
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Taken from east side of Edgecomb Creek, center west of Parcel 31052700100300
Type	image/jpeg
Photo View	view to the west northwest
Source	11/6/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



# STATE OF WASHINGTON ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00774

County: Snohomish

Date: 10/23/2020

Human Remains? ☐ DAHP Case No.:

Compiled By: Jessica Gardner

Cultural Resource Consultants, LLC

Archaeological Sites are exempt from public disclosure per RCW 42.56.300

## SITE DESIGNATION

Site Name:

Field/Temporary ID: 2006G-2

Site Type: Pre Contact Isolate

Pre Contact Lithic Material

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for determination of eligibility meet the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the site

☐ meets ☐ does not meet the National Register Criteria.

I recommend that this property be considered significant at the following level(s) of significance:

Criteria

Statement of Significance

Integrity

## SHPO Determination

Eligibility Survey/Inventory

Determined On

Determined By

SHPO Comments

## SITE LOCATION

USGS Quad Map Name(s): ARLINGTON WEST

T: 31

R: 05

E/W: E

Section: 27

UTM: Zone: 10

Easting: 563300

Northing: 5332778

Latitude: 48.136617

Longitude: -122.159659

Elevation (ft/m): 117 ft

Drainage, Major: Snohomish

Drainage, Minor: Quilceda Creek

River Mile

Aspect

Slope

Location Description (General to Specific):

The isolate is located in the northern Quilceda Creek drainage system, within the historic marshlands located near the Arlington/Marysville boundaries (2020). It is within the agricultural fields to the east of the historic Edgecomb Creek ditch and within ~150 meters of said ditch.

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00774

Page 2 of 13

## Directions (For Relocation Purposes):

From Interstate 5 take exit 206, turning east along State Route 531/Edgecomb Road/172nd Street NE, continue east until 51st Avenue NE, turning South on 51st Avenue/Shoultes Road. At 15601-16373 Shoultes Rd enter the agricultural fields, following the farm road to the east and north. After .62 miles, cross the culvert and old railroad berm to the east, and turn north. Continue .21 miles (1,094 ft.) along farm road. Isolate location is ~430 ft. east of the farm road.

## SITE DESCRIPTION

### Narrative Description (Overall Site Observations):

Site is identified as an isolate described as one fine grained volcanic flake located on the ground surface. Lithic was located in active agricultural fields, thus depth of site is determined as the depth of the plow zone. 5 m delineations were negative for cultural materials.

Site is approximately 120 m east of 2006G-1 lithic isolate. Sites were defined separately due to the isolated nature of the materials and the disturbed context of the soil.

### Site Dimensions (Overall Site Dimensions):

**Length:** .5 meters **Direction:** N-S **Width:** .5 meters **Direction:** E-W  
**Method of Horizontal Measurement:** tape  
**Depth:** .3 meters **Method of Vertical Measurement:** tape, plow zone

### Vegetation (On Site):

**Local:** Agricultural field of corn. **Regional:** Tsuga heterophylla (Western Hemlock) vegetation zone

### Landforms (On Site):

**Local:** Isolate is located in converted agricultural fields. **Regional:** Isolate is located in alluvial depression formed on a glacial outwash plain.

**Water Resources (Type):** Isolate is located in historically mapped marshlands of the upper Quilceda Creek drainage system (USSG 1875). Currently located near historic Edgecomb Creek ditches (USGS 1956). **Distance:** ~150 m east **Permanence:**

## CULTURAL MATERIALS AND FEATURES

### Narrative Description (Specific Inventory Details):

Material is a single flake made of black/dark gray fine grained volcanic rock. Flake appears to be a tertiary/reduction flake with several flake scars on the dorsal. The flake is broken on the lateral, distal end. It measures 3.2 cm long by 1.8 cm wide by .2 cm thick.

### Method of Collection:

Artifact will be donated by the client to the Stillaguamish Tribe of Indians.

### Location of Artifacts (Temporary/Permanent):

Artifact is currently held in Stillaguamish Tribe of Indians Collections.

## SITE AGE

**Component Type** Precontact

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00774

Page 3 of 13

<b>Dates</b>	Precontact
<b>Dating Method</b>	N/A
<b>Phase</b>	
<b>Basis for Phase Designation</b>	

SITE RECORDERS	
<b>Observed By</b>	<b>Address</b>
Jessica Gardner	PO Box 4159, Seattle, WA 98194
<b>Date Recorded:</b>	10/23/2020
<b>Recorded by</b> (Professional Archaeologist):	Jessica Gardner
<b>Organization:</b>	Cultural Resource Consultants, LLC
<b>Phone Number:</b>	360-572-4871
<b>Address:</b>	PO Box 4159, Seattle, WA 98194
<b>Email:</b>	Jessica.n.gardner@gmail.com

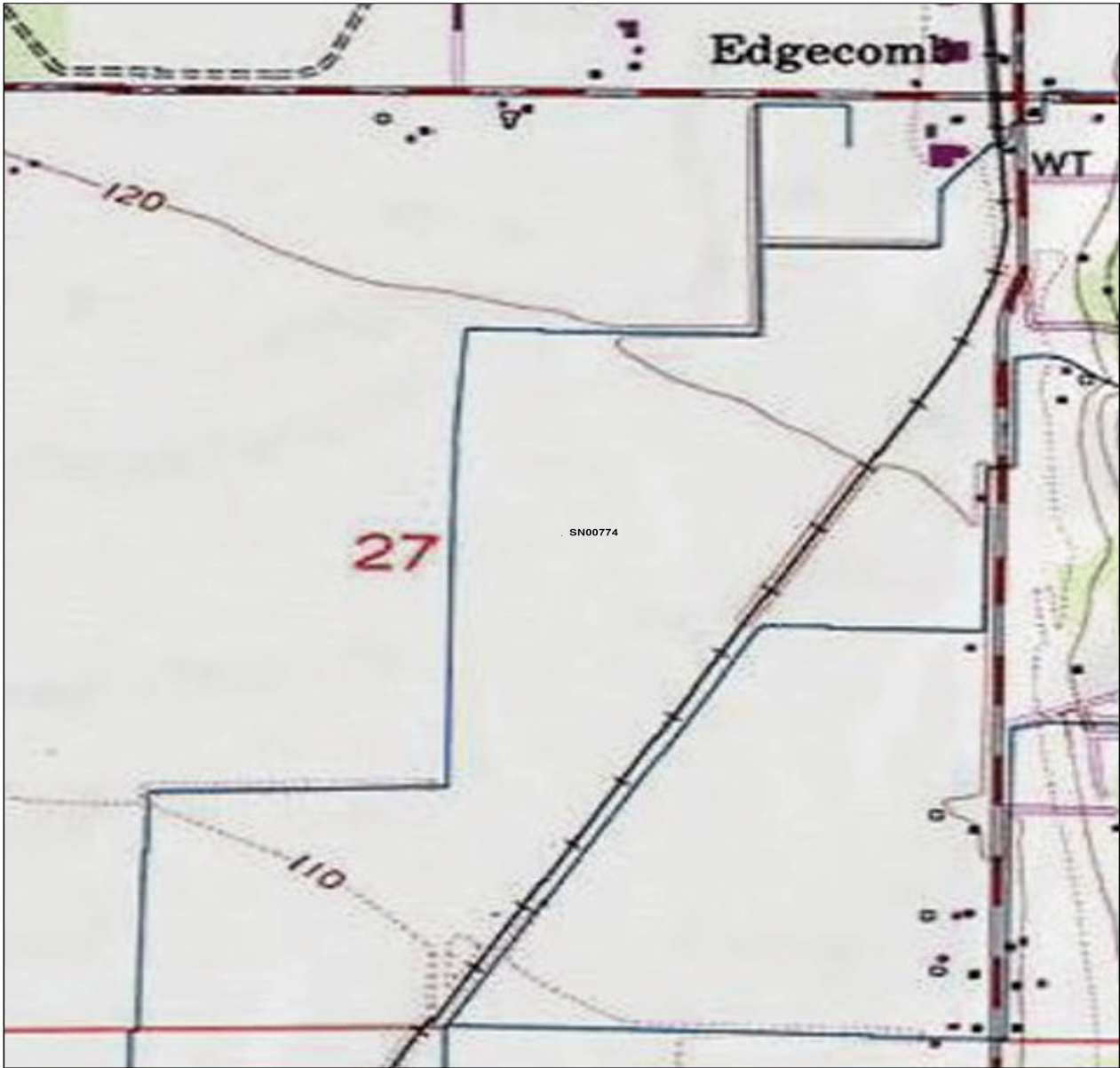
SITE HISTORY
<b>Previous Archaeological Work:</b>
None

LAND OWNERSHIP		
<b>Owner</b>	<b>Address</b>	<b>Parcel</b>
Steiner Farms LLC	16015 51st Avenue NE, Marysville, WA, 98271-7507	31052700400300

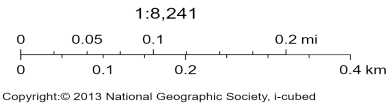
RESEARCH REFERENCES
<b>Items/Documents Used in Research:</b>
United States Geological Survey (USGS) 1956 Arlington West quadrangle, Washington 1:24,000 7.5-Minute Series, 1957 edition. USGS, Washington, D.C.; United States Surveyor General (USSG) 1875 Township No 31 North, Range No 5 East, Willamette Meridian. General Land Office Survey Plat. Department of Interior General Land Office, Washington, D.C.



USGS MAP



December 30, 2020



SKETCH MAPS

Source Information 10/23/2020 Inventory - Cultural Resource Consultants, LLC



Photographs, Tables and Additional Information



Photo ID	498905
Title	Dorsal
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00774



Photo ID	503070
Title	Overview of 2006G-2 with survey grid
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	overview of 2006G-2 with associated survey grid, blue lines represent estimated parcel boundaries
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00774

Page 8 of 13



Photo ID	498906
Title	Ventral
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	498904
Title	Medial
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



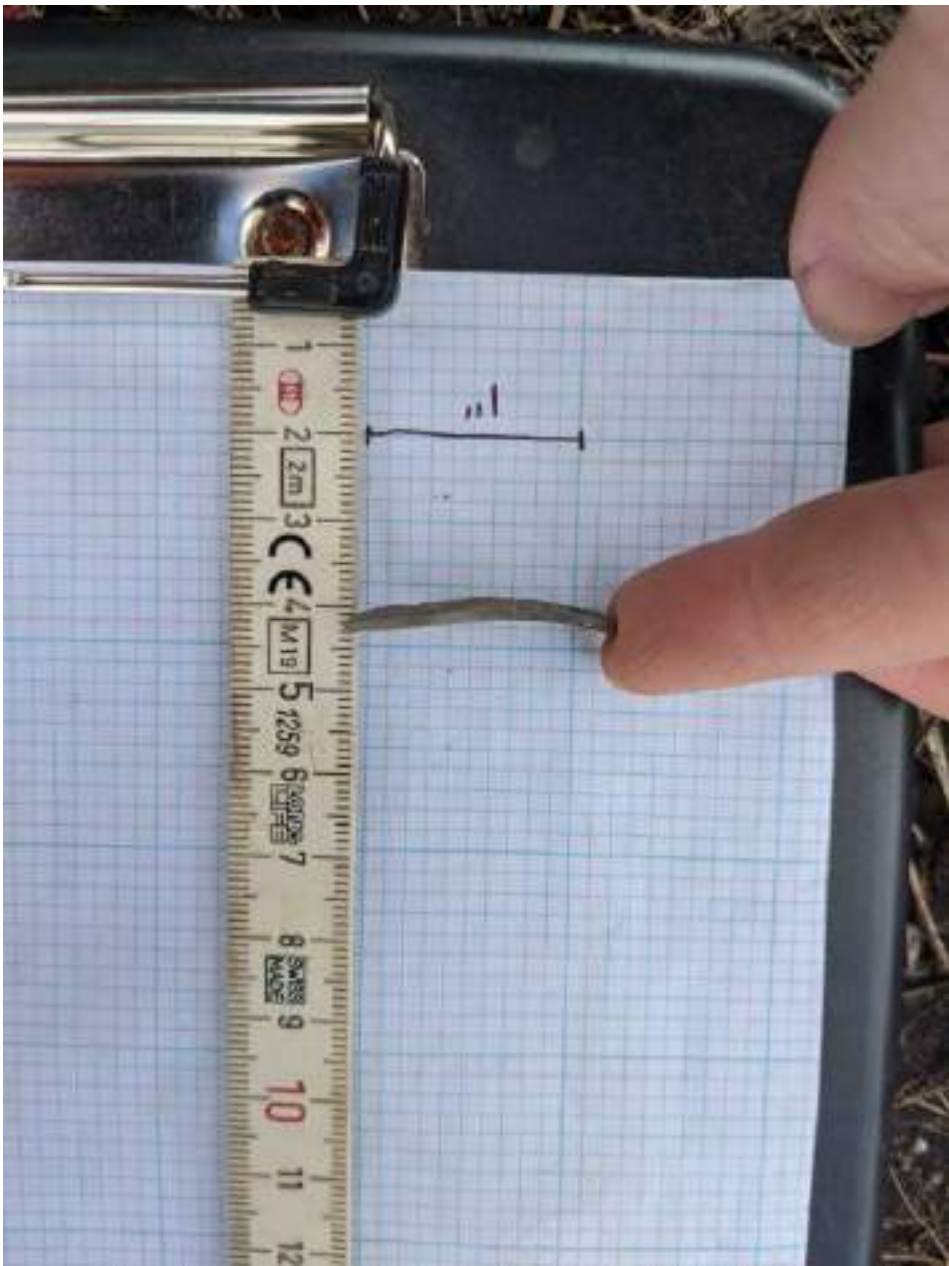


Photo ID	498903
Title	Lateral
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00774

Page 11 of 13



Photo ID	498902
Title	Ventral
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00774

Page 12 of 13



**Photo ID** 498901  
**Title** Dorsal  
**Year Taken** 2020  
**Is Circa?** ☐  
**Notes**  
**Type** image/jpeg  
**Photo View**  
**Source** 10/23/2020 Inventory - Cultural Resource Consultants, LLC  
**Copyright** ☐



ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00774

Page 13 of 13



Photo ID	498900
Title	Location shot
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Artifact location designated by wooden stake, in harvested cornfield, bordered by harvested wheat field to south
Type	image/jpeg
Photo View	view to the south
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



# STATE OF WASHINGTON ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

County: Snohomish

Date: 10/23/2020

Human Remains? ☐ DAHP Case No.:

Compiled By: Jessica Gardner

Cultural Resource Consultants, LLC

Archaeological Sites are exempt from public disclosure per RCW 42.56.300

## SITE DESIGNATION

Site Name:

Field/Temporary ID: 2006G-1

Site Type: Pre Contact Isolate

Pre Contact Lithic Material

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for determination of eligibility meet the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the site

☐ meets ☐ does not meet the National Register Criteria.

I recommend that this property be considered significant at the following level(s) of significance:

Criteria

Statement of Significance

Integrity

SHPO Determination

Eligibility Survey/Inventory

Determined On

Determined By

SHPO Comments

## SITE LOCATION

USGS Quad Map Name(s): ARLINGTON WEST

T: 31

R: 05

E/W: E

Section: 27

UTM: Zone: 10

Easting: 563180

Northing: 5332780

Latitude: 48.136617

Longitude: -122.159659

Elevation (ft/m): 117 ft

Drainage, Major: Snohomish

Drainage, Minor: Quilceda Creek

River Mile

Aspect

Slope

Location Description (General to Specific):

The isolate is located in the northern Quilceda Creek drainage system, within the historic marshlands located near the Arlington/Marysville boundaries (2020). It is within the agricultural fields to the east of the historic Edgecomb Creek ditch and within ~25 meters of said ditch.



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

Page 2 of 16

## Directions (For Relocation Purposes):

From Interstate 5 take exit 206, turning east along State Route 531/Edgecomb Road/172nd Street NE, continue east until 51st Avenue NE, turning South on 51st Avenue/Shoultes Road. At 15601-16373 Shoultes Rd enter the agricultural fields, following the farm road to the east and north. After .62 miles, cross the culvert and old railroad berm to the east, and turn north. Continue .21 miles (1,094 ft.) to isolate location.

## SITE DESCRIPTION

### Narrative Description (Overall Site Observations):

Site is identified as a lithic isolate consisting of one fine grained volcanic bi-face located within 10 cm of the surface, within the 30 cm deep plow zone. Site is located within historically mapped marshland. 5 m delineations were negative for cultural materials.

Site is approximately 120 m west of 2006G-2 lithic isolate. Sites were defined separately due to the isolated nature of the materials and the disturbed context of the soil.

### Site Dimensions (Overall Site Dimensions):

**Length:** .5 meters **Direction:** N-S

**Width:** .5 meters **Direction:** E-W

**Method of Horizontal Measurement:** tape

**Depth:** .3 meters **Method of Vertical Measurement:** tape, plow zone

### Vegetation (On Site):

**Local:** Agricultural fields of corn to the north and wheat to the south.

**Regional:** Tsuga heterophylla (Western Hemlock) vegetation zone

### Landforms (On Site):

**Local:** Isolate located within converted agricultural fields.

**Regional:** Located within an alluvial depression formed on a glacial plain.

**Water Resources (Type):** Part of the Quilceda Creek watershed. Originally located in marshland which is drained by the Edgecomb Creek historic ditch system.

**Distance:** ~25 m east of Edgecomb Creek historic ditch

**Permanence:**

## CULTURAL MATERIALS AND FEATURES

### Narrative Description (Specific Inventory Details):

Artifact is a single, broken biface tip made of black/very dark gray fine grained volcanic rock. Biface appears to be the in mid-form, with evidence of pressure flaking on the edges, and a sharp break. Lithic measures 3.9 cm long by 3.1 cm wide and .7 cm thick.

### Method of Collection:

Artifact will be donated by the client to the Stillaguamish Tribe of Indians.

### Location of Artifacts (Temporary/Permanent):

Artifact is currently held in Stillaguamish Tribe of Indians Collections.

## SITE AGE

**Component Type** Precontact

**Dates** Precontact

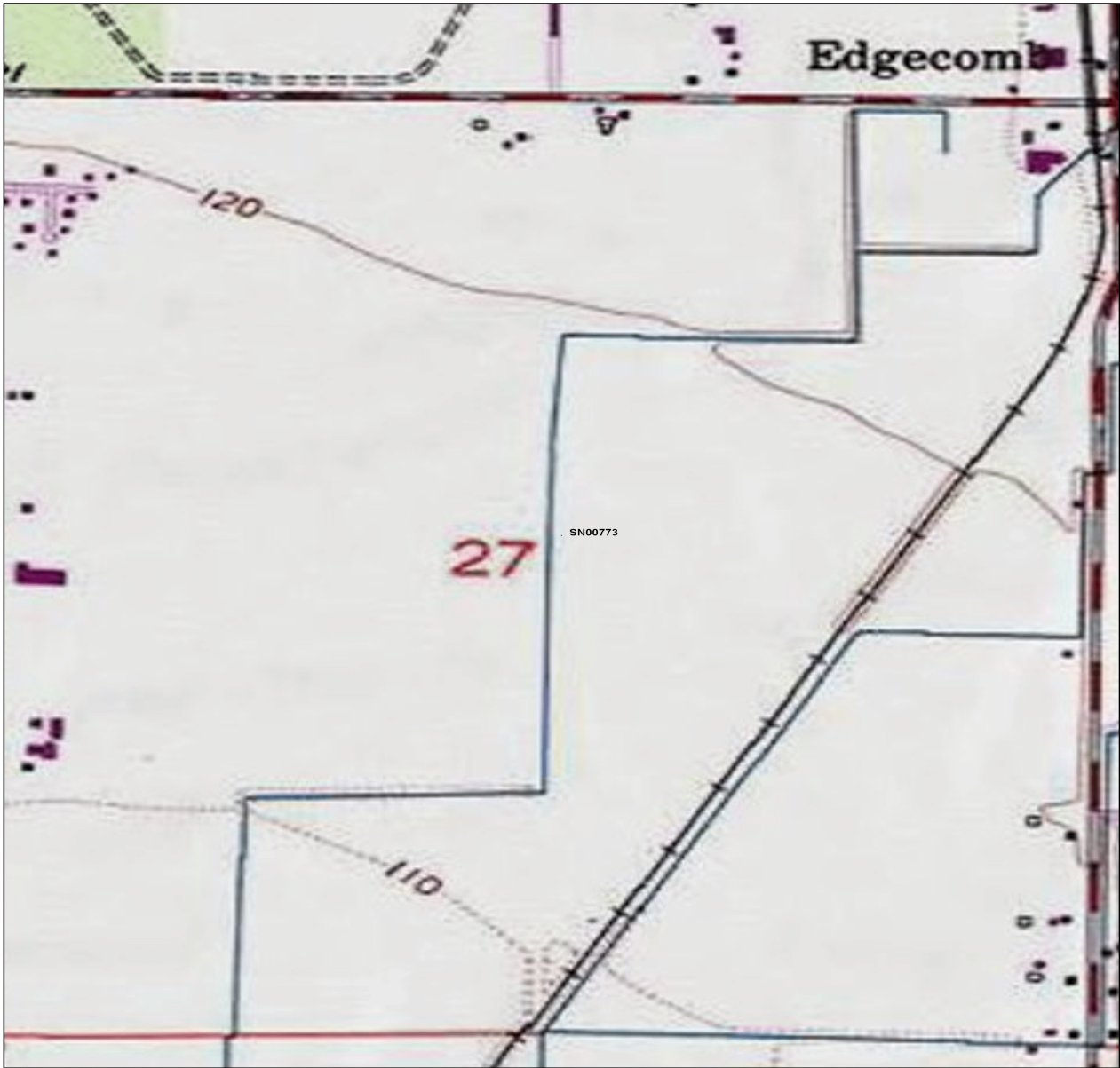
# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

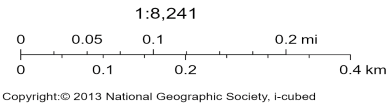
Page 3 of 16

<b>Dating Method</b>	N/A		
<b>Phase</b>			
<b>Basis for Phase Designation</b>			
<b>SITE RECORDERS</b>			
<b>Observed By</b>	<b>Address</b>		
Jessica Gardner	PO Box 4159, Seattle, WA 98194		
<b>Date Recorded:</b>	10/23/2020		
<b>Recorded by (Professional Archaeologist):</b>	Jessica Gardner		
<b>Organization:</b>	Cultural Resource Consultants, LLC	<b>Phone Number:</b>	360-572-4871
<b>Address:</b>	PO Box 4159, Seattle, WA 98194	<b>Email:</b>	Jessica.n.gardner@gmail.com
<b>SITE HISTORY</b>			
<b>Previous Archaeological Work:</b>			
None			
<b>LAND OWNERSHIP</b>			
<b>Owner</b>	<b>Address</b>	<b>Parcel</b>	
Steiner Farms LLC	16015 51st Avenue NE, Marysville, WA, 98271-7507	31052700400300	
<b>RESEARCH REFERENCES</b>			
<b>Items/Documents Used in Research:</b>			
United States Geological Survey (USGS) 1956 Arlington West quadrangle, Washington 1:24,000 7.5-Minute Series, 1957 edition. USGS, Washington, D.C.;			
United States Surveyor General (USSG) 1875 Township No 31 North, Range No 5 East, Willamette Meridian. General Land Office Survey Plat. Department of Interior General Land Office, Washington, D.C.			

USGS MAP



December 30, 2020



SKETCH MAPS

Source Information 10/23/2020 Inventory - Cultural Resource Consultants, LLC



Photographs, Tables and Additional Information



Photo ID	498889
Title	dorsal, wet
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>





Photo ID	503067
Title	overview of 2006G-1 with associated survey grid
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	Satellite image showing 2006G-1 in relation to survey grid. Delineations were negative for cultural materials. Blue lines represent estimated parcel boundaries
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

Page 8 of 16



Photo ID	503061
Title	Overview of isolate location
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	stake located central indicates isolate STP location, thick grasses on left background represent farm road with lone deciduous trees located along Edgecomb Creek
Type	image/jpeg
Photo View	North
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	498892
Title	dorsal, dry
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

Page 10 of 16



Photo ID	498891
Title	ventral, dry
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

Page 11 of 16



Photo ID	498890
Title	lateral, dry
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

Page 12 of 16



Photo ID	498888
Title	ventral, wet
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

Page 13 of 16



Photo ID	498887
Title	dorsal, wet
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>



Photo ID	498886
Title	Ventral, wet
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>





Photo ID	498885
Title	lateral, wet
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

# ARCHAEOLOGICAL SITE INVENTORY FORM

Smithsonian Number: 45SN00773

Page 16 of 16



Photo ID	498884
Title	lateral, wet
Year Taken	2020
Is Circa?	<input type="checkbox"/>
Notes	
Type	image/jpeg
Photo View	
Source	10/23/2020 Inventory - Cultural Resource Consultants, LLC
Copyright	<input type="checkbox"/>

## **Attachment D: Historic Property Inventory Forms**





# Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155

## Location



**Address:** vicinity of Edgecomb, WA 98223  
**Tax No/Parcel No:** several, see property description  
**Geographic Areas:** Snohomish County, ARLINGTON WEST Quadrangle, T31R05E27, Snohomish County, ARLINGTON WEST Quadrangle

## Information

**Number of stories:** N/A

### Construction Dates:

Construction Type	Year	Circa
Built Date	1950	<input checked="" type="checkbox"/>

### Historic Use:

Category	Subcategory
Landscape	
Landscape	

### Historic Context:

Category
Agriculture

### Architect/Engineer:

Category	Name or Company
----------	-----------------



# Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155

## Thematics:

## Local Registers and Districts

Name	Date Listed	Notes
------	-------------	-------

## Project History

Project Number, Organization, Project Name	Resource Inventory	SHPO Determination	SHPO Determined By, Determined Date
2009-12-00133, , Edgecomb Transmission Line Survey	8/14/2009	Not Determined	
2020-10-06541, , NorthPoint Development Cascade Industrial Center	11/6/2020	Survey/Inventory	

## Photos





## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155



Northern overflow channel, exposed, culvert



Edgecomb Creek, south of 152nd Street



Southern overflow channel



Southern overflow channel, connection with Edgecomb Creek



Southern overflow channel



Edgecomb creek, northwest corner of Parcel 31053400200400



## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155



Edgecomb Creek, west edge of Parcel 31053400200400



Edgecomb Creek, Farm road culvert between Parcels 31052700300200 and 31052700400300



Edgecomb Creek, Farm road culvert between Parcels 31052700300200 and 31052700400300



Edgecomb Creek, west edge of Parcel 31052700400300



Edgecomb Creek, west edge of Parcel 31052700400300



Beave dam at bend of Creek, far west edge, northwest corner of Parcel 31052700100100



## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155



Ponding formed by Beaver dam on Edgecomb Creek



Convergence of northern feeder creek with Edgecomb Creek, north center of Parcel 31052700100100



Edgecomb Creek, northeast portion of Parcel 31052700100100



Northern feeder creek for Edgecomb Creek



Northern feeder creek for Edgecomb Creek



Edgecomb Creek northeast culvert, Parcel 31052700100100





## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155



Edgecomb Creek, channel northeast of northeastern culvert in Parcel 31052700100100



Edgecomb Creek, channel southwest of northeastern culvert in Parcel 31052700100100



Edgecomb Creek (Drainage Ditch), facing northeast





## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155

---

### Inventory Details - 8/14/2009

**Common name:** Edgecomb Creek (drainage ditch)  
**Date recorded:** 8/14/2009  
**Field Recorder:** Jennifer Gilpin  
**Field Site number:** 1588-2

**SHPO Determination**

### Detail Information

#### Characteristics:

Category	Item
Form Type	Utilitarian

#### Styles:

Period	Style Details
No Style	No Style

### Surveyor Opinion

**Property appears to meet criteria for the National Register of Historic Places:** No

**Property is located in a potential historic district (National and/or local):** No



## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155

**Significance narrative:** A portion of the historic drainage ditch now referred to as Edgecomb Creek passes through the middle of the Project APE and Section 27 (T31N, R5E), along an alignment once occupied by the Marysville and Northern Railroad and 59th Ave NE (Kroll Map Company 1926-27; Metsker Maps 1942; Snohomish County Plat Book, Van Proyen and Arthur 1988).

Immediately to the east of (and paralleling) this road in the location of the Project APE, the 1960 Metsker Map for Section 27 shows a drainage ditch, presumably Edgecomb Creek (Metsker Maps 1960).

In the Project APE, the Edgecomb Creek drainage ditch is oriented north-south, appears to have earthen walls, and is roughly trapezoidal in shape. HRA observed that the creek contained a few inches of running water over a gravel drainage floor. Either side of the creek shows an embankment, which were flattened on top and covered with dense, medium to tall grasses and berries.

Edgecomb Creek appears to retain integrity of location, design, and setting, as—based on the historic map research (Section 4.5, above) - this segment presumably remains along its original alignment, in an agricultural setting most likely similar to that of its initial construction. Similar ditches are still being constructed in the vicinity of the Project APE in order to drain water-retaining fields (Keith Gangler, personal communication 2009). There remains the possibility that the ditch has been impacted over time as a part of any potential and routine maintenance activities -for instance, during dredging activities - and, therefore, it is likely that the integrity of materials and workmanship has been compromised. Although the immediate setting of this portion of the creek retains its agricultural setting, the overall integrity of feeling and association has been compromised, due to increased development in the vicinity (and the possible altering of the railroad and/or roadway that was located in the location of or to the west of this ditch).

HRA recommends the Edgecomb Creek drainage ditch is not eligible for listing in either the NRHP or WHR. Although the creek serves to help in draining excess water from the surrounding agricultural fields, HRA recommends that it is not eligible under Criterion A, for its associations with specific events or patterns of events that have made significant contributions to broad patterns of national history. The ditch in this alignment does not appear on historic maps prior to 1960; a depiction of this ditch on earlier maps could have served to support its association with early settlement of the valley and its burgeoning farming practices.

The creek segment also appears not to be eligible under Criterion B, as it is not known to have been associated with an individual of national renown. HRA recommends that the creek is not eligible for listing under Criterion C, as it does not appear to embody distinctive characteristics of a type, period, or method of construction, does not represent the work of a master, and does not possess high artistic value. The creek was not a significant engineering feat, nor was it likely one of the first drainage ditches used to improve farming conditions in the Marysville/Arlington valley.

It is also unlikely that Edgecomb Creek can contribute knowledge about history (Criterion D): The drainage ditch is not unique, as there is a network of such features (many of which are much older) in the region between the Snohomish and Stillaguamish Rivers. Similar ditches are still being constructed in the vicinity of the Project APE in order to drain water-retaining fields (Keith Gangler, personal communication 2009). As such, a finding of no historic properties affected is recommended for the current Project.



## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155

**Physical description:** The Edgecomb Creek drainage ditch is oriented north-south and located in the middle of the Project APE, along the east-west dividing line of Section 27. The ditch appears to have earthen walls and is roughly trapezoidal in shape. HRA observed that the creek contained a few inches of running water over a gravel drainage floor. It measures approximately 1.5 m (5 ft) deep, with a width of 1.5 m (5 ft) at its base, sloping to a width of approximately 2 to 2.5 m (6.5 to 8 ft) from the tops of the banks (Figure 9). Either side of the creek shows an embankment around 1.2 to 1.5 m (4 to 5 ft) in height above the surrounding fields – these embankments were flattened on top and covered with dense, medium to tall grasses and berries.

**Bibliography:**

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Van Proyen, Lucille and Lorraine McCloud Arthur  
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# Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155

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## Inventory Details - 11/6/2020

**Common name:** Edgecomb Creek  
**Date recorded:** 11/6/2020  
**Field Recorder:** Jessica Gardner  
**Field Site number:**  
**SHPO Determination**

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## Detail Information

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### Surveyor Opinion

**Significance narrative:** An 1875 Cadastral Survey of Township 31 North, Range 05 East depicted the property location as a marshlands fed by a creek in the northeast corner, near the upper end of the creek (USSG 1875). A USGS map produced in 1956 provides the earliest topographic depiction of the creek (NGMDB 2020; USGS 1956). The main creek route does not appear to have changed since 1956, however, historic aerial imagery indicates two overflow creeks described below were added by 1998 and possibly as early as the 1970s (NETR 2020). Further confirmation is limited due to the narrow width of the creek, it's location along parcel and pasture lines, and the varying quality of the available images. A local farmer has suggested the creek was added in the early 1900s as part of a water district, but this researcher has not been able to find documentation. While the main ditch runs along its historic pathways, overflow lines have been added or altered during the history of the creek. A few local pastures are drained by french drains with materials and drainage lines found during an associated survey (Gardner and Berger 2021). Materials varied from ceramic piping shards identified at shallow depths (up to 1.5 ft below the surface) and deeper, modern plastic corrugated drains (3-4 ft below the surface). These suggest routine improvements along the creek route and it is likely the creek has been dredged as routine maintenance.

Background research has not identified an association with a significant historic event (Criterion A) or person (Criterion B). Furthermore, the ditch serves as a drainage route, is fairly common, and lacks any distinctive characteristics of design or period of construction (Criterion C). It is unlikely to provide any important historical information (Criterion D). Later improvements have altered the design, feel, setting, and workmanship of the creek and no association with historic event or person has been identified. The creek is made from local materials but has likely been dredged several times, diminishing the integrity of materials. It serves the purpose of draining the wetland depression for use as agricultural fields, maintaining the integrity of setting and location. Based on the defined criteria, the Edgecomb Creek ditch is recommended not eligible for listing on historic registers.



## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155

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**Physical description:**

The property refers to the historic ditch used to route Edgecomb Creek from the north side and northeast corners of Tax Parcel 31052700100100 to the southeast corner of said parcel, south along the historic 59th Ave ROW (not a legal parcel), west along the southern edge of Parcel 31052700300-200, turning south at the southeast corner to continue along the east edge of Parcel 31052700300-500 and the west edge of Parcel 31052700300900, continuing south through the narrow Parcel 31053400200500, crossing 152nd Street NE, and continuing south-southwest through the eastern edge of Parcel 31053400200700 before crossing under the BNSF rail grade. The ditch is approximately 9 feet wide at the top and approximately 5 feet deep, however this varies locally where dams or corners are encountered. While it appears to be trapezoidal in shape with relatively steep sides, the sides are swathed in canary grass with some Himalayan blackberry, trailing blackberry, and belladonna, which limited access and assessment. The top of the ditch is generally flush with surrounding fields. Local shovel probes indicate the excavated sediment was likely spread out and worked into the surrounding area. An exception to this is within the 59th Ave ROW, on the western edge of Parcel 31052700100300 and the north half of the western edge of Parcel 31052700400300. Here, a raised farm road exists along the east edge of the ditch and the historic 59th Avenue/Marysville and Northern Railroad berm/railbed (recorded separately) runs along the west edge. The ditch cuts west through the berm into Parcel 31052700300-200, indicating the berm may be older, and possibly in disuse, by the time the ditch was excavated or later maintenance was completed. At least five culverts have been added to the ditch, including one crossing under 152nd Street. Two overflow drainage creeks have been added to the west, connecting with Westphal Creek running along the east side of 51st Avenue. The northern of the overflow creeks runs underground from Edgecomb Creek at the northwest corner of Parcel 31052700300900, heading directly west. The drainage route becomes exposed approximately 750 ft later and continues west along the northern parcel line of Parcel 31052700300500. The southern overflow creek connects with Edgecomb Creek approximately 555 ft north of 152nd Street NE. It starts out as a wide marshy backwater before entering a shallow channel which slowly becomes deeper as it approaches 51st Avenue and connects with Westphal Creek. The overflow creek is crossed by two culverts, one on each end, with the western culvert coinciding with the path of a natural gas line.

At least two beaver dams have been built along the creek route, on the west side of parcel 31052700100100, which have caused flooding/ponding in the vicinity. A series of french drains were observed in the NE pasture of Parcel 31052700100100 and lines of dark vegetation suggest similar improvements in other pastures/Parcels along the route.



## Historic Property Report

Resource Name: Edgecomb Creek historic ditch

Property ID: 100155

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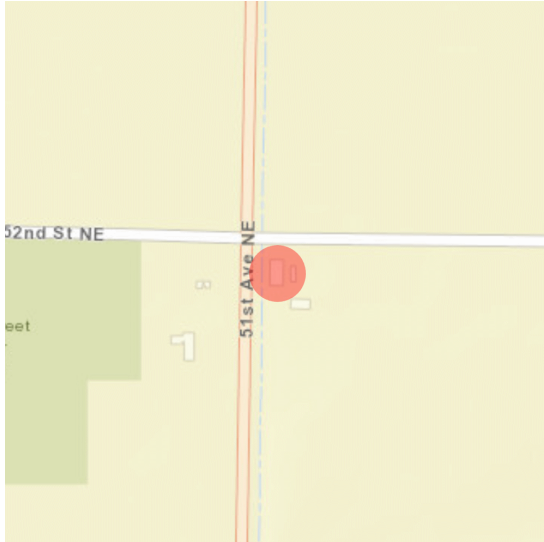


# Historic Property Report

Resource Name:

Property ID: 228885

## Location



**Address:** 5414 152ND ST NE, MARYSVILLE, WA 98223  
**Tax No/Parcel No:** 31053400200700  
**Plat/Block/Lot:** SEC 34 TWP 31 RGE 05  
**Geographic Areas:** Snohomish County, ARLINGTON WEST Quadrangle, T31R05E34, ARLINGTON WEST Quadrangle, Snohomish County

## Information

**Number of stories:** 1.00

### Construction Dates:

Construction Type	Year	Circa
Built Date	1943	<input type="checkbox"/>
Moved	1960	<input checked="" type="checkbox"/>

### Historic Use:

Category	Subcategory
Domestic	Domestic - Single Family House
Domestic	Domestic - Single Family House

### Historic Context:

Category
Architecture

### Architect/Engineer:

Category	Name or Company
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# Historic Property Report

Resource Name:

Property ID: 228885

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## Thematics:

### Local Registers and Districts

Name	Date Listed	Notes
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## Project History

Project Number, Organization, Project Name	Resource Inventory	SHPO Determination	SHPO Determined By, Determined Date
2020-10-06541, , NorthPoint Development Cascade Industrial Center	12/21/2020	Survey/Inventory	

## Photos



West elevation of house



Netted stalls in southeast corner of barn



Internal view of barn



Outbuilding east of house



Chicken coop and dog run



west elevation of barn

## Historic Property Report

Resource Name:

Property ID: 228885



South elevation of house, attached garage



PXL\_20201203\_180035957.jpg



East elevation of barn



Broken section of siding



North elevation of barn



East elevation of house, south half



## Historic Property Report

Resource Name:

Property ID: 228885



West elevation of house, north half



Orchard north of the house



North elevation of house



Example of fenestrations of house



Decorative hexagonal fenestrations



Detail of siding materials



# Historic Property Report

Resource Name:

Property ID: 228885

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## Inventory Details - 7/1/2011

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**Common name:**

**Date recorded:** 7/1/2011

**Field Recorder:** Artifacts Consulting, Inc.

**Field Site number:** 31053400200700

**SHPO Determination**

## Detail Information

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**Characteristics:**

Category	Item
Structural System	Wood - Platform Frame
Form Type	Single Dwelling
Roof Type	Gable
Cladding	Wood
Roof Material	Asphalt/Composition - Shingle

## Surveyor Opinion

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# Historic Property Report

Resource Name:

Property ID: 228885

**Significance narrative:** Data included on this historic property inventory form (HPI) detail stemmed from County Assessor building records imported by the Washington State Department of Archaeology of Historic Preservation (DAHP) into WISAARD in 2011. This upload reduces data entry burden on community volunteers and historical societies participating in the survey and inventory of their communities. The intent of this project is directed specifically to facilitating community and public involvement in stewardship, increasing data accuracy, and providing a versatile planning tool to Certified Local Governments (CLGs).

Currently survey and inventory projects at the local level produce a field form for each property surveyed and include digital photographs. Volunteers doing the survey track down and manually enter all the owner, parcel, and legal data manually. Manual data entry diminishes accuracy and quantity of resources volunteers can survey. Recognizing this, DAHP uploaded building data for each Certified Local Government (CLG) on properties that were built in or before 1969 to provide an accurate and comprehensive baseline dataset. Volunteers doing survey work need only to verify data, add in photographs and extent of alterations and architectural style data, as well as expand upon the physical description and significance statement as new data is collected. For planning purposes, the attrition rate of properties built in or before 1969 can start to be measured to guide stewardship priorities.

Project methodology entailed use of the University of Washington's State Parcel Database (<http://depts.washington.edu/wagis/projects/parcels/development.php>) to provide the base parcel layer for CLGs. Filtering of building data collected from each county trimmed out all properties built after 1969, as well as all current, previously inventoried properties. Translation of building data descriptors to match fields in HPI allowed the data upload. Calculation of point locations utilized the center of each parcel. Data on this detail provides a snapshot of building information as of 2011. A detailed project methodology description resides with DAHP. Project team members: Historic Preservation Northwest, GeoEngineers, and Artifacts Consulting, Inc. (project lead).

**Physical description:** The house at 5414 152nd Street NE, Marysville, is located in Snohomish County. According to the county assessor, the structure was built in 1934 and is a single family dwelling. The 1-story building has a gable roof clad in asphalt composition shingles. The walls of the single-family form are clad principally in wood over a platform frame structure. The county assessor also reports that there are 4 outbuildings on the property including a residential detached garage, a barn, and a wood pole frame utility building.



# Historic Property Report

Resource Name:

Property ID: 228885

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## Inventory Details - 12/21/2020

Common name:

Date recorded: 12/21/2020

Field Recorder: Jessica Gardner

Field Site number:

SHPO Determination

## Detail Information

Characteristics:

Category	Item
Foundation	Concrete - Poured
Plan	Rectangle
Cladding	Wood - Clapboard
Roof Type	Gable
Roof Material	Asphalt/Composition - Shingle

## Surveyor Opinion

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## Historic Property Report

Resource Name:

Property ID: 228885

**Significance narrative:** The parcel was patented to William Westhaver in 1890, who retained the property through 1910 (Anderson 1910; BLM 2020). By 1910 a structure was mapped at the center of the property. By 1927 the property was owned by O. Drange before transferring to the 1st National Bank of Everett by 1934 (Kroll 1934; Metsker 1927). The property was sold to John and Winifred Klein by 1943, who owned it till 1980 when they sold it to the Brutus Associates (Kroll 1943, 1960; SC Auditor 2020). Structures were noted: at the south-southeast corner of the property, near the BNSF railroad between 1910 and 1969; in the northeast corner between 1956 and 2006; and in the northwest corner between 1969 and 2020 (Anderson 1910; NETR 2020; USGS 1956). In 2011 the HPI Upload recorded a structure on the property from 1934 with detached garage and outbuildings (ACI et al 2011). That description closely matches the structural complex visible in historic aerial images of the northeast corner, which was demolished between 2006 and 2009 (recorded separately as archaeological site Resource ID 704857), suggesting the information available from the assessor had not been updated at the time of the upload. The current information available from the Assessor indicates the current house was built in 1943 (SC Assessor 2020). Historic aerial imagery of the property is available beginning in 1954 with the house first appearing in imagery in 1969, and depicted the house as added to the parcel between 1954 and 1969. This suggests the house was likely moved to the property from elsewhere. The barn and orchard were first visible in 1980, indicating they were added between 1969 and 1980, making them most likely 50 years old or less. Other noted outbuildings did not appear until c. 2015 (NETR 2020).

The house was likely moved to the property after it was built, altering the integrity of location and setting. The exterior also shown signs it may have been altered from the original appearance, diminishing the integrity of feeling, materials, and workmanship. As the house was likely moved onto the land, no direct association can be made with the original construction and integrity of association is lost. The house has not direct association with a historic person or event and does not qualify under Criteria A and B. The house is also fairly typical of mid-century house design and does not exhibit a distinctive characteristic that would meet Criterion C. The house has also been altered and is unlikely to yield as of yet unknown information as required by Criterion D. Therefore, this property is recommended not eligible for listing on the NRHP or WHR.



## Historic Property Report

Resource Name:

Property ID: 228885

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**Physical description:**

The structure at 5414 152nd St is a single story potentially altered Minimal Traditional style house with attached garage and associated outbuildings. The county assessor dates the house to 1943. The house was built on a poured concrete foundation with the detached garage sitting on a slab foundation. The house with garage is generally rectangular in shape with a recessed front door, center to the west face of the house, and measures approximately 80 ft by 36 ft. The gable roof ends in deep hip returns, boxed cornices, and close verges with molded trim. A gable dormer projects over the north end of the west face of the house and the west face of the attached garage. Both are flush with the western face of corresponding structure. The roof is covered in composite asphalt shingles with a pattern that suggests it has likely been replaced in the last 30 years. A chimney rises south of center of the house and east of the central ridge. It is clad in cut stone with a broken course pattern and is likely a decoratively wide single chimney.

The house is clad in clapboard siding with a decorative façade on the western face of cut stone laid in a broken course. The pattern and materials match those used on the chimney. The apex of each dormer is clad in stucco. A broken piece of clapboard siding on the eastern face shows the clapboard planks sitting on floating rails above paper and planks. The planks are rather thick, set in a shiplap cut, and appear to have been treated externally. A plaster-like material can be seen underneath. It is possible the house exterior has been re-clad with the new materials overlying the old. The southeast corner of the structure has recently been altered and is clad in untreated panel board. The assessor's plans of the house indicate this corner used to be a canopy on a concrete pad.

Fenestrations are steel framed and single pane thick with a typical format of a fixed window paired with a sliding sash and no trim. Windows on the west face of the house were given a slipsill of matching cut stone to blend with the façade. Variations include larger fixed windows with a sliding sash to each side (living room) or a single fixed picture window (kitchen/dinette). Two small hexagonal windows with six triangular panes are set in the west face, just north of the main door. The structure is entered via the double wide, solid form, lifting garage door on the west face; a sliding glass door at the east side of the southeast corner of the garage; and via the main door on the west face of the house.

The house is surrounded by property improvements including a small orchard to the north, a chicken coop/dog run to the east northeast, a small shed to the east, and a barn to the southeast. The barn and orchard were added between 1969 and 1980, according to historic aerials, and therefore are listed with the house. The shed and runs are more recent additions.

The orchard consists of three fruit trees set in a row between the house and 152nd Street. The barn is a rectangular timber framed structure measuring approximately 64 ft by 32 ft. It appears to have been built on a slab foundation. It has a gable roof with a dilapidated covering of wood sheets, asphalt shingles, and tarps. The walls are clad in panel board with clear or tinted corrugated plastic sheeting under the eaves. The walls are set with two to four fenestrations of steel framed sliding double sashed windows framed by false green wooden shutters to each side. There are three entrances to the barn. A paired set of swinging doors provides entrance to the west face of the barn while two single wide swinging doors are located at the corners of the east face. A single wide door provides entry to the loft on the east face. All doors appear to be timber framed and clad in panel board. Interior construction indicates the barn was a mixed use structure with stalling for various types of farm animals.



## Historic Property Report

Resource Name:

Property ID: 228885

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### Bibliography:

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## **Attachment E. Inadvertent discovery plan.**

In accordance with RCW 27.44 Indian Graves and Records Act, RCW 27.53 Archaeological Sites and Resources, RCW 68.50 Human Remains, and RCW 68.60, Abandoned and Historic Cemeteries and Historic Graves, the following steps will be taken in the event that archaeological materials and/or human remains are discovered:

### **Procedures for Discovery of Potential or Actual Cultural Resources**

Upon discovery of a potential or actual archaeological site or cultural resources as defined by RCW 27.44 Indian Graves and Records Act and RCW 27.53 Archaeological Sites and Resources, NorthPoint Development, its employees, contractors, and sub-contractors shall:

- (a) Immediately cease or halt ground disturbing, construction, or other activities around the area of the discovery and secure the area with a perimeter of not less than 30 feet until all procedures are completed and the parties agree that activities can resume. If such a perimeter would materially impact agency functions mandated by law, related to health, safety, or environmental concerns, then the secured area shall be of a size and extent practicable to provide maximum protection to the resource under the circumstances. Project activities that are not ground disturbing may continue outside the secured perimeter around the findings. No one shall excavate any findings and all findings will be left in place, undisturbed and without analysis, until consultation with DAHP and identified area Tribes regarding a final disposition of the findings has been completed. In accordance with RCW 27.53.060, no one shall knowingly remove or collect any archaeological objects without obtaining a permit.
- (b) Notify the State Archaeologist at DAHP, identified area Tribes, and the USACE of the discovery as soon as possible and no later than 24 hours of the discovery. If human remains are found, the project proponent shall follow notification procedures specified below.
- (c) Arrange for the parties to conduct a joint viewing of the discovery within 48 hours of the notification or at the earliest possible time thereafter. After the joint viewing, taking into account any recommendations made by the Tribes, USACE, and DAHP, the parties shall discuss the potential significance, if any, of the discovery.
- (d) Consult with the identified area Tribes, USACE, and DAHP on the transfer and final disposition of artifacts. Until the Tribe has a repository that meets the standards of curation established 36 CFR Part 79, artifacts shall be curated using an institution or organization that meets curation standards, selected through consultation with the Tribes.

### **Procedures for Discovery of Human Skeletal Remains**

Upon discovery of human skeletal remains on non-federal and non-Tribal land and in accordance with RCWs 68.50.645, 27.44.055, and 68.60.055, NorthPoint Development, its employees, contractors, and sub-contractors shall take the following steps:

- (a) If ground-disturbing activities encounter human skeletal remains during the course of construction, then all activity must cease that may cause further disturbance to those

remains and the area of the find must be secured and protected from further disturbance. In addition, the finding of human skeletal remains must be reported to the Snohomish County Medical Examiner's Office and Snohomish County Sheriff's Office in the most expeditious manner possible. The remains should not be touched, moved, or further disturbed.

(b) The Snohomish County Medical Examiner's Office will assume jurisdiction over the human skeletal remains and make a determination as to whether the remains are forensic or non-forensic. If the county medical examiner determines the remains are non-forensic, they will report that finding to DAHP who will then take jurisdiction over the remains and report them to the appropriate cemeteries and affected Tribes. The State Physical Anthropologist will make a determination as to whether the remains are Indian or Non-Indian and report that finding to any appropriate cemeteries and the affected Tribes.

(c) DAHP will handle all consultation with the affected parties as to the future preservation, excavation, and disposition of the remains if no federal agency is involved.

### **Confidentiality of Information**

The project proponent and their authorized representative recognizes that archaeological sites are sensitive cultural resources that can become targets of vandalism and illegal removal activities. The project proponent or their authorized representative shall keep and maintain as confidential all information regarding any discovered cultural resources, particularly the location of known or suspected archaeological property, and exempt all such information from public disclosure consistent with RCW 42.17.300.

### **Contact Information**

The lead representatives and primary contacts of each party under this plan are as identified below. The parties may identify other individuals as primary contacts before the commencement of any particular project element.

#### **Snohomish Tribe**

11014 19th Avenue SE, Suite 8  
Everett, WA 98208-5121

Primary Contact: The Honorable Michael Evans, Chairman, Phone: 425-671-1387

#### **Stillaguamish Tribe of Indians**

3310 Smokey Point Drive  
PO Box 277

Arlington, WA 98223-0277

Primary Contact: Kerry Lyste, THPO, Cultural Resources, Phone: 360-652-7362 ext. 226

#### **Tulalip Tribes**

6410 23rd Avenue NE  
Tulalip, WA 98271

Primary Contact: Richard Young, Cultural Resources, Phone: 360-716-2652, Cell: 425-239-0182

**U.S. Army Corps of Engineers**

P.O. Box 3755, Seattle, WA 98124-3755

Primary Contact: Lance Lundquist, Archaeologist, 206-764-6909,

lance.a.lundquist@usace.army.mil or

Stephanie Neil, Archaeologist, 206-764-6941, Stephanie.L.Neil@usace.army.mil

**Washington Department of Archaeology and Historic Preservation**

PO Box 48343

Olympia, WA 98504-8343

Lead Representative: Allyson Brooks, State Historic Preservation Officer, 360-480-6922

Primary Contact: Rob Whitlam, State Archaeologist, 360-890-2615

Primary Contact for Human Remains: Guy Tasa, State Physical Anthropologist, 360-790-1633

**Snohomish County Medical Examiner's Office**

9509 29th Ave. West

Everett, WA 98204

Primary Contact: J. Matthew Lacy, Chief Medical Examiner, 425-438-6200

**Snohomish County Sheriff's Office**

3000 Rockefeller Avenue MS 606

Everett, WA 98201

Primary Contact: Non-Emergency Line, 425-407-3999